

**FLOW CHARACTERISTICS OF REFRIGERANT INSIDE
ADIABATIC CAPILLARY TUBE
Thesis**

**Submitted in partial fulfilment of the requirement for the award of
Degree of**

**MASTER OF ENGINEERING
IN
CAD/CAM & ROBOTICS**

**Submitted By
Jaspreet Singh
Roll No. 80781012**

Under the guidance of

**Mr. Sumeet Sharma
Lecturer, Deptt. of Mechanical Engg.
Thapar University, Patiala**



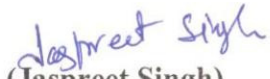
**DEPARTMENT OF MECHANICAL ENGINEERING
THAPAR UNIVERSITY
PATIALA-147004, INDIA**

DECLARATION

I hereby declare that the work is in this thesis report entitled “**Flow Characteristic of Refrigerant Inside Adiabatic Capillary Tube**” in partial fulfilment of requirement for the award of the master degree in CAD/CAM & Robotics submitted in the Mechanical Engineering Department, Thapar University, Patiala, is an authentic record of the initial work carried out by me under the guidance of **Mr. Sumeet Sharma, Mechanical, Lecturer, Engineering Department, TU, Patiala.**

The matter embodied in this report has not been submitted in part or full to any other university or institute for the award of any degree.

Dated: 15/07/09


(Jaspreet Singh)

This is to certify that above declaration made by the student concerned is correct to the best of my knowledge & belief.



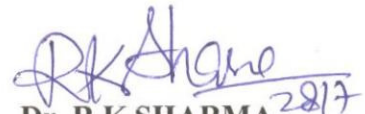
Mr. Sumeet sharma
Lecturer

Mechanical Engineering Department
Thapar University
Patiala-147004

Countersigned by


Dr. S.K. MOHAPATRA

Professor and Head
Mechanical Engineering Department
Thapar University
Patiala-147004


Dr. R.K. SHARMA 28/7

Dean of Academic Affairs
Thapar University
Patiala-147004

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ABSTRACT

In the present investigation, an attempt is made to develop mathematical model to determine the flow characteristics of refrigerant inside a straight capillary tube for adiabatic flow conditions. The proposed model can predict the length of the adiabatic straight capillary tube for a given mass flow rate. In the present study R-12 has been used as a working fluid inside the straight capillary tube of diameter 1.17 mm and 1.41 mm and used the same model to study the flow characteristics of refrigerant in ANSYS CFX software.

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Nomenclature

d capillary tube internal diameter, m

D coil diameter, m

D_s suction line diameter, m

ΔT_{sub} degree of subcooling, K

e roughness height, m

f friction factor

G mass velocity, kg/m²/s

L capillary tube length, m

$\dot{m}$ mass flow rate, kg/s

P pressure, Pa

p pitch, mm

T temperature, °C

Greek letters

μ viscosity, kg/m/s

ρ density, kg/m³

Subscripts

hx heat exchanger

in capillary tube inlet

k condenser

o evaporator

out outlet

Capillary tubes have been investigated in detail for many decades. A capillary tube is a common expansion device used in small sized refrigeration and air-conditioning systems. A capillary tube is a constant area expansion device used in a vapor-compression refrigeration system located between the condenser and the evaporator and whose function is to reduce the high pressure in the condenser to low pressure in the evaporator. The capillary tube expansion devices are widely used in refrigeration equipment, especially in small units such as household refrigerators, freezers and small air conditioners. Its simplicity is the most important reason to continue using it instead of other expansion devices. Capillaries substitute for more expensive and complex thermostatic valves. For instance, capillary tubes are used in some complex cooling systems for particle detectors installed. Nevertheless, one can find other reasons for their use in highly specialized cooling circuits.

In fact the flow through capillary tube is actually adiabatic not an isenthalpic. As the name suggests the adiabatic capillary tubes are one in which there is no heat transfer with the surroundings or the walls of the capillary tube are thermally insulated. On the basis of geometrical shape the capillary tubes can be classified as under:

- straight capillary tube
- coiled capillary tube

1.1 Straight Capillary Tube

Figure 1.1a shows the vapor compression system employing the adiabatic capillary tube as an expansion device. The process 3-4 in Figure 1.1b represents the adiabatic expansion of the high pressure liquid refrigerant. The refrigerant temperature remains constant as long as it is in liquid state and as the flashing of refrigerant occurs (at point '3a') the pressure as well as temperature falls rapidly. As the flow through the capillary tube is adiabatic, the enthalpy of refrigerant remains constant till the flashing occurs. As a result of flashing, a part of enthalpy is used to increase the kinetic energy of the

refrigerant. Therefore, as the vaporization progresses the enthalpy of refrigerant falls in the two-phase flow region of the capillary tube, as can be seen from the Figure 1.1b.

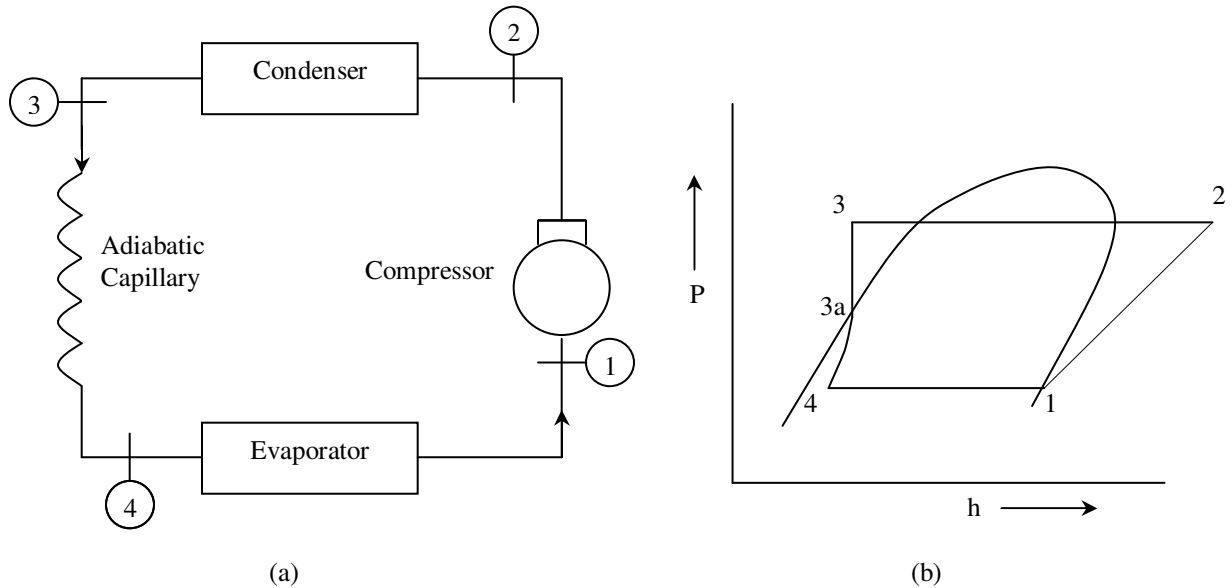


Figure 1.1 Adiabatic capillary tube (a) block diagram (b) P-h diagram

In adiabatic capillary tube, the refrigerant expands from high pressure side to low pressure side with no heat exchange with the surroundings. The refrigerant often enters the capillary in a subcooled liquid state. As the liquid refrigerant flows through the capillary, the pressure drops linearly due to friction while the temperature remains constant. As the pressure of refrigerant falls below the saturation pressure a fraction of liquid refrigerant flashes into vapor. The fluid velocity increases because of the fall in density of the refrigerant due to vaporization. Thus, the entire capillary tube length seems to be divided into two distinct regions. The region near the entry is occupied by the liquid phase and the other as the two-phase liquid vapour region.

The flow inside the capillary tube of a refrigeration system can be divided into a subcooled liquid region from the entrance to the point in which the fluid reaches saturated conditions, and a two phase flow region after that point until the end of the capillary tube.

In Figure 1.2, the variation of refrigerant temperature and pressure has been plotted against the capillary tube length. The pressure falls linearly in the liquid region of the capillary tube while the temperature remains constant as the flow through capillary tube is considered adiabatic. Further, as the pressure falls below the saturation pressure, P_s , with the onset of vaporization both temperature and pressure starts falling rapidly until the choked flow conditions are attained.

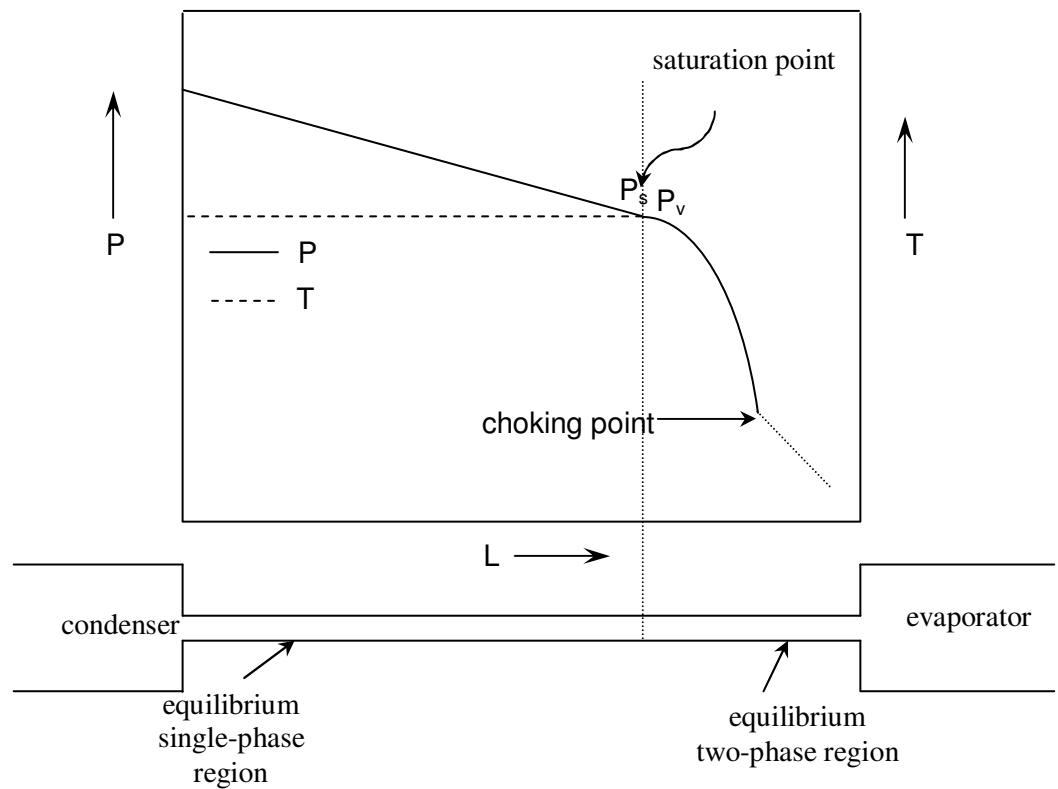


Figure 1.2 Temperature and pressure variation along the adiabatic capillary tube

However, in reality, after the flow reaches the saturation pressure, there is a short region in which the evaporation does not start yet and the refrigerant becomes superheated, Chen et al.[13], Chang and Ro[11]. The liquid in this region is not in thermodynamic equilibrium but under metastable condition. This region ends up quite suddenly and the liquid starts to evaporate approaching thermodynamic two-phase

equilibrium conditions. This metastable region is nevertheless quite short in comparison with the others two regions and it has been considered negligible in the present study. Additionally, that region presents serious difficulties in developing a correct physical modeling to study in the commercial available ANSYS CFX module, since the involved phenomena are very complex, (Dunn and Meyer[18], Bittle et al.[7]).

1.2 Coiled Capillary Tubes

The helical capillary tubes in a domestic refrigerator or in a window air conditioner are no more a new thing. The difference between the consecutive turns of the coiled capillary tube is termed as coil pitch, denoted by ' p '. In helical capillary tubes there are two coiling parameters one is coil pitch and another is coil diameter. Figure 1.3 shows the helical and spiral tubes depicting the geometric parameters, viz. coil pitch, coil diameter and tube diameter.

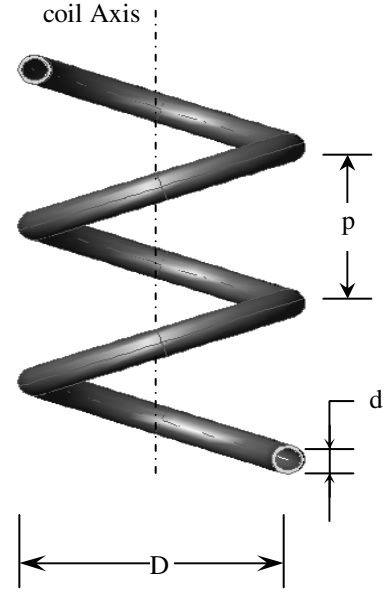


Figure 1.3 Helically coiled capillary tubes

The flow through coiled tubes is complicated comparing to straight tubes. The frictional pressure drop of a single-phase fluid flow through a curved tube is larger than that for a flow through a straight tube under similar conditions. The fluid flowing in tube undergoes a centrifugal force, which results in the secondary flow, as shown in Figure

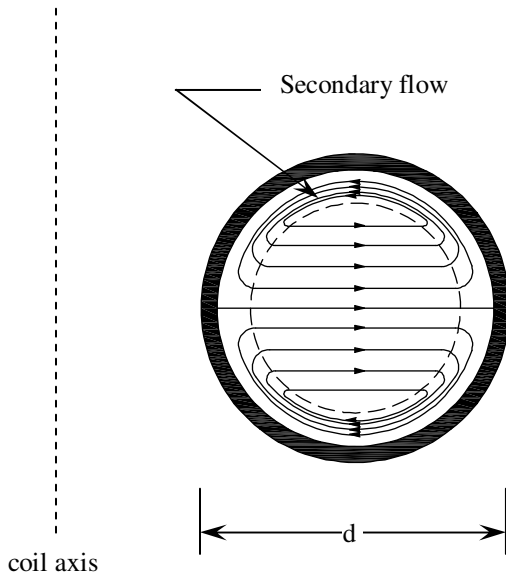


Figure 1.4 Secondary flows in the cross section of the coiled capillary tube

1.3. The secondary flow imposed on the main flow forms a counter-rotating helical vortex pair. The existence of secondary flow is called the Dean effect. Dean [16] has proposed a dimensionless number called Dean Number given by the following equation:

$$De = Re \sqrt{\frac{d}{D}} \quad (1.1)$$

The flow pattern by Dean's analysis is shown in Figure 1.4. The secondary flow in the coiled capillary

tube has the stabilizing effect on laminar fluid flow, resulting in higher critical Reynolds number. The critical Reynolds number increases with the increase in ratio, d/D , and is expressed by the following relation proposed by Ito [10]:

$$\text{Re}_{\text{crit}} = 20000 \left(\frac{d}{D} \right)^{0.32} \quad (1.2)$$

1.3 Objectives of the proposed work

- To develop the numerical models for adiabatic straight capillary tube using finite difference methods (FDM).
- To develop simulation models for straight capillary using ANSYS CFX module.
- To validate the developed numerical model with the developed ANSYS CFX model.

Literature Review and Problem Formulation

A number of research studies, both experimental and numerical, on the flow through adiabatic capillary tube has been carried out round the globe. However, in the present work attention will be paid more on numerical investigations. The experimental work has been reviewed just for the sake of validation of the numerical models proposed to be developed.

2.1 Literature Review

Bansal and Rupasinghe [3] has also developed an empirical model for sizing capillary tubes. This paper presents an empirical model that has been developed to size adiabatic and non-adiabatic capillary tubes for small vapour compression refrigeration systems, in particular, household refrigerators and freezers. The model is based on the assumption that the length of a capillary tube is dependent on five primary variables, namely the capillary tube inner diameter, the mass flow rate of the refrigerant in the capillary tube, the pressure difference between high side and low side, the refrigerant subcooling at capillary inlet and the relative roughness of the capillary tube material. The model is validated with previous studies over a range of operating conditions and is found to agree reasonably well with the experimental data for HFC134a.

Bansal and Rupasinghe [4] have presented a homogeneous two-phase flow model, CAPIL, which is designed to study the performance of adiabatic capillary tubes in small vapour compression refrigeration systems, in particular household refrigerators and freezers. The model is based on the fundamental equations of conservation of mass, energy and momentum that are solved simultaneously through iterative procedure and Simpson's rule. The model uses empirical correlations for single-phase and two-phase friction factors and also accounts for the entrance effects. The model includes the effect of various design parameters, namely the tube diameter, tube relative roughness, tube length, level of subcooling and the refrigerant flow rate. The model is validated with

earlier models over a range of operating conditions and is found to agree reasonably well with the available experimental data for HFC-134a.

Wongwises et al. [31] presented theoretical comparison of the flow characteristics of many pairs of Refrigerants flowing through adiabatic capillary tubes. The two-phase flow model developed was based on homogeneous flow assumption. Two-phase friction factor was determined from Colebrook correlation [14]. The viscosity model was also based on the recommendations from the previous literature. For all pairs, numerical results showed that the traditional refrigerants consistently gave lower pressure drops for both single-phase and two-phase flow than the environmentally acceptable alternative refrigerants which resulted in longer tube lengths.

Wongwises and Pirompak [30] have studied the flow characteristics of pure refrigerants and refrigerant mixtures in adiabatic capillary tubes and this paper provides the results of simulations using an adiabatic capillary tube as a refrigerant control device in refrigerating systems. The developed model can be considered as an effective tool of capillary tubes' design and optimization for systems using newer alternative refrigerants. The model is validated by comparing with the experimental data of Li et al. and Mikol [27] for R12 and Melo et al. [26] for R134a. In particular, it has been possible to compare various pairs of refrigerants. It is found that the conventional refrigerants consistently give longer capillary lengths than the alternative refrigerants. For all pairs, the conventional refrigerant consistently gives lower pressure drops for both single-phase and two-phase flow which resulted in longer tube lengths. In addition, an example of capillary tube selection chart developed from the present numerical simulation is shown. The chart can be practically used to select the capillary tube size from the flow rate and flow condition or to determine mass flow rate directly from a given capillary tube size and flow condition. The results of this study are of technological importance for the efficient design when systems are assigned to utilize various alternative refrigerants.

Bansal and Wang [5] proposed a homogeneous simulation model for choked flow conditions for pure refrigerants (R134a, R600a) in adiabatic capillary tubes. The model is

based on the first principles of thermodynamics and fluid mechanics and some empirical relations. This study presents a fresh-look at the classical fluid flow problem, known as Fanno flow for refrigerant flow in capillary tubes. A new diagram called the full range simulation diagram has been developed that presents a better way to understand the choked flow phenomenon graphically. The diagram is useful for design and analysis of refrigerant flow in capillary tubes. The model has been validated with published experimental data for R22, R134a and R600a and is found to agree to within $\pm 7\%$.

In the literature Sami et al [29], explained the experimental data obtained on capillary tube behavior, using various new alternatives under different geometrical parameters will be presented and analyzed. Capillary geometrical parameters will include length, diameter, as well as entrance conditions. The results clearly showed that the pressure drop across the capillary tube is significantly influenced by the diameter of the capillary tube, inlet conditions to the capillary and refrigerant type. The data demonstrated that the capillary pressure drop decreases with the increase of the capillary diameter and that alternatives in general experience higher pressure drop than that of R-22.

Zhang and Ding [33] based on approximate analytic solutions of adiabatic capillary tube is valuable for theoretical analysis and engineering calculation. In this work, two kinds of approximate analytic solutions of adiabatic capillary tube have been developed. One is the explicit function of capillary tube length. Another is the explicit function of refrigerant mass flow rate. In these solutions, the choked flow condition is taken into account without iterative calculations. The approximate predictions are found to agree reasonably well with experimental data in open literatures.

Akure et al. [1] has discussed the effects of various geometries of capillary tubes had been investigated by many researchers. Their studies were based on the coil diameters and lengths alone, no particular attention had been placed on the effect of coil pitch. At present no information is available about the effects of serpentine-coiled capillary tubes on refrigerator performance. This study examined the effects of pitches of both helical and serpentine-coiled capillary tubes on the performance of a vapor compression refrigeration system. Several capillary tubes of equal lengths (2.03 m) and varying

itches, coiled diameters and serpentine heights were used. Both inlet and outlet pressure and temperature of the test section (capillary tube) were measured and used to estimate the coefficient of performance (COP) of the system. The results show that, in the case of helical-coiled geometries the pitch has no significant effect on the system performance but the coil diameter as already predicted by many researchers. In the case of serpentine geometries both pitch and height affects the system performance. Performance increases with both increase in the pitch and the height. Correlations were proposed to describe relationships between straight and coiled capillary tube and between helical-coiled and serpentine-coiled capillary tubes. The coefficient of correlations are: 0.9841 for mass flow rates of helical and serpentine with straight tubes; 0.9864 for corresponding COPs and 0.9996 for mass flow rates of serpentine and helical-coiled tube.

Khan et al. [22] have also developed a numerical model flow through an adiabatic spiral capillary tube. An analytical model has been developed to predict the length of adiabatic capillary tubes used in domestic refrigerators and low-capacity residential air conditioners. The model predicts the length of two types of tubes—straight and spiral adiabatic capillary tubes. The proposed model is based on the homogenous two-phase flow model, which predicts the length of the adiabatic capillary tubes as a function of refrigerant mass flow rate, capillary tube diameter, degree of sub cooling at capillary inlet, internal surface roughness, and the pitch of the Archimedean spiral. The existence of sub cooled liquid at the entry of the capillary tube requires the computation of single-phase and then two-phase lengths of the tube. McAdams et al. [25] viscosity correlation has been used to evaluate the two-phase viscosity of the expanding refrigerant in the latter part of the capillary tube. The simulation results are validated with the experimental findings of previous researchers. The performance of the above two geometries of adiabatic capillary tube is compared, and it is established that for the same state of refrigerants at the inlet and exit of the adiabatic capillary, spiral capillary is found to have a shorter length. Parametric study of the adiabatic capillary tubes is also carried out. Further, the effect of geometric and physical parameters has been presented in detail. A much smaller capillary tube is required when the eco-friendly refrigerants R-134a and R-

152a are used in place of refrigerant R-12 for similar conditions across the adiabatic spiral capillary tube.

Khan et al. [23] have presented a comprehensive review of the literature on the flow of various refrigerants through the capillary tubes of different geometries viz. straight and coiled and flow configurations viz. adiabatic and diabatic. The literature has been presented in chronological order the experimental and numerical investigations systematically under different categories. Flow aspects like effect of coiling and effect of oil in the refrigerants on the mass flow rate through the capillary tube have been discussed. The paper also provides key information about the range of input parameters viz. tube diameter, tube length, surface roughness, coil pitch and coil diameter, inlet subcooling and condensing pressure or temperature. Other information includes type of refrigerants used, correlations proposed and methodology adopted in the analysis of flow through the capillary tubes of different geometries operating under adiabatic and diabatic flow conditions. It has been found from the review of the literature that there is a lot more to investigate for the flow of various refrigerants through different capillary tube geometries.

A mathematical model has been developed to predict the performance of a helical capillary tube under adiabatic flow conditions has also been developed by Khan et al. [21]. The proposed model can predict the length of the adiabatic helical capillary tube for a given mass flow rate or the mass flow rate through a given length of capillary tube. The effect of parameters like condensing pressure, degree of sub cooling, pitch of helix and the coil diameter has been studied for the flow of refrigerant R-134a through the adiabatic helical capillary tube. A capillary tube selection chart has been developed, using the proposed model, to predict the mass flow rate of refrigerant R-134a through a capillary of size 1.07 mm diameter and 2 m length.

2.2 Problem Formulation

On the basis of literature review, it has been decided to develop a numerical model for adiabatic straight capillary tube using finite difference approach. A code in C++ language will be developed to accomplish the solution for the adiabatic capillary tube. In addition, it has also been planned to develop a simulation model on the commercially available soft ware like ANSYS CFX. The modeling of the two-phase in ANSYS CFX software would be a challenging job as the prediction of thermophysical properties in the two-phase region of the capillary tube is very difficult.

Modeling and Simulation

In this chapter, first the finite difference methodology has been presented and the finite difference approximations for first order and second order have been presented. Secondly, the mathematical model and the solution methodology using finite difference technique have also been provided. Finally, simulation model developed in ANSYS of the adiabatic capillary tube has also been presented.

3.1 Finite Difference Formulation

The technique of Finite Difference Methods is used to solve differential equations numerically. In this method physical domain is converted to computational domain by dividing it into a number of linear elements. Following steps describe the procedure of solving differential equation.

- a. By applying the laws of conservation of mass, momentum and energy mass we develop the Governing differential equations
- b. Convert a given differential equations into difference equations Using finite difference approximation.
- c. Algebraic equations in nodal unknowns are thus obtained.
- d. Then solve the simultaneous algebraic equations by any numerical method.
- e. We get the solution of algebraic equations at the nodes.
- f. At last values calculated at the nodes can be used for further calculation.

The finite difference approximations using Taylor Series

$$f(x_0 + \Delta x) = f(x_0) + \Delta x f'(x) + \frac{\Delta x^2}{2!} f''(x) + \dots \quad (3.1)$$

$$f(x_0 - \Delta x) = f(x_0) - \Delta x f'(x) + \frac{\Delta x^2}{2!} f''(x) + \dots \quad (3.2)$$

Approximation for first Derivative (forward difference formulation)

From equation (3.1)

$$f'(x_0) = \frac{f(x_0 + \Delta x) - f(x_0)}{\Delta x} - f''(x) \quad (3.3)$$

$$f'(x_0) = \frac{f(x_0 + \Delta x) - f(x_0)}{\Delta x} - 0(\Delta x) \quad \text{or} \quad f'(x_0) \approx \frac{f(x_0 + \Delta x) - f(x_0)}{\Delta x}$$

$$f'_i \approx \frac{f_{i+1} - f_i}{\Delta x}$$

Backward difference formulation

From equation (3.2)

$$f'(x_0) = \frac{f(x) - f(x_0 - \Delta x)}{\Delta x} + f''(x) \cdot \frac{\Delta x}{2}$$

$$f'_i = \frac{f_i - f_{i-1}}{\Delta x} + 0(\Delta x), \quad 0(\Delta x) \text{ higher order terms}$$

$$f'_i \approx \frac{f_i - f_{i-1}}{\Delta x} \quad \text{having an order of accuracy } 0(\Delta x) \quad (3.4)$$

Central difference formulation

$$f(x_0 + \Delta x) - f(x_0 - \Delta x) = 2\Delta x f'(x_0) + 2 \frac{\Delta x^3}{3!} f'''(x_0)$$

$$f'(x_0) = \frac{f(x_0 + \Delta x) - f(x_0 - \Delta x)}{2\Delta x} - \frac{\Delta x^2}{3} f'''(x_0) \quad (3.5)$$

$$f'_i \approx \frac{f_{i+1} - f_{i-1}}{2\Delta x} \quad \text{having an order of accuracy } 0(\Delta x)$$

Approximation for second derivative

Central difference formulation

Adding Equation (3.1) and (3.2) we get

$$f(x_0 + \Delta x) + f(x_0 - \Delta x) = 2f(x_0) + 2 \frac{\Delta x^2}{2!} f''(x_0) + \dots \quad (3.6)$$

$$f''(x_0) \approx \frac{f(x_0 + \Delta x) - 2f(x_0) + f(x_0 - \Delta x)}{\Delta x^2} - 0(h^2) \quad (3.7)$$

$$f''_i = \frac{f_{i+1} - 2f_i + f_{i-1}}{\Delta x^2} \quad (3.8)$$

3.2 Mathematical Modeling

Initially, a generalized mathematical model has been developed for straight capillary tube and for other geometries like helical and spiral capillary tubes the necessary modifications have been made in the developed model for the flow through a straight capillary tube.

The mathematical modeling of the capillary tubes has been carried out by applying mass, momentum and energy conservation equations on the capillary tube of required geometry. For the purpose of analysis, the physical domain has been converted to computational domain, as shown in Figure.3.1. The refrigerant from condenser enters the capillary tube at section 1 in a sub cooled liquid state. Due to sudden contraction at the capillary tube inlet, the refrigerant pressure is dropped and state point 2 is reached. Subsequently, a single phase liquid flow in the capillary tube is established. Since the flow of refrigerant through the capillary tube is adiabatic, the temperature of the flowing liquid refrigerant remains constant. The pressure inside the capillary tube drops linearly as long as the flow is in liquid state. When the refrigerant pressure drops up to point 3 i.e., the saturation pressure, at that point two-phase flow set up in the capillary tube. In the two-phase region of the capillary tube, the temperature and pressure of refrigerant starts falling rapidly till the evaporator pressure or the choking point 4 is attained.

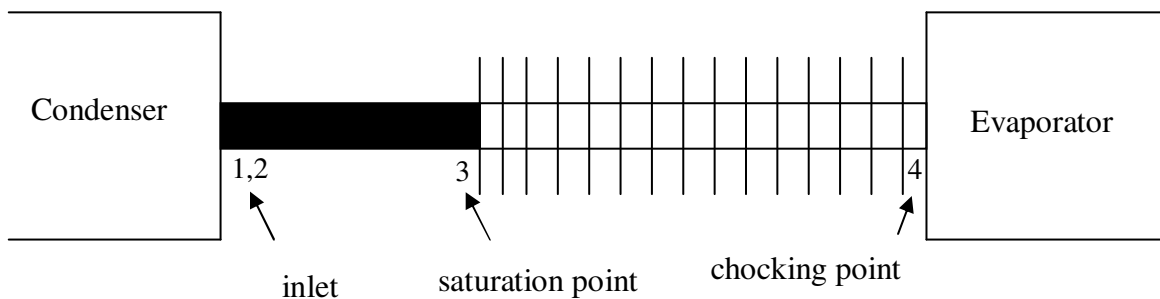


Figure 3.1 Computational domain straight

Thus, the flow of refrigerant through an adiabatic capillary tube has been divided into following two distinct regions:

1 – 2 represents pressure drop due to sudden contraction at capillary inlet,

2 – 3 represents single-phase subcooled flow region.

3 – 4 represents liquid-vapour two-phase flow region.

The input parameters of the capillary flow simulation are as follows:

- a. Refrigerant mass flow rate or capillary tube length.
- b. Temperature and pressure of subcooled liquid refrigerant at the capillary tube inlet.
- c. Inner, outer diameter, and wall roughness of the capillary tube.
- d. Discharge diameter, i.e., approximately the hydraulic diameter of the evaporator.
- e. Temperature of the capillary inner wall or average ambient temperature around a non-insulated capillary tube.
- f. Thermo physical properties of the refrigerant considered.

Following assumptions have been made during the analyses of straight adiabatic capillary tube:

- a. The capillary tube is of uniform cross-section and roughness.
- b. The capillary tube is perfectly insulated.
- c. Pure refrigerant is flowing through the capillary tube.
- d. One dimensional and steady state flow.
- e. The flow is homogeneous in the two-phase region.

Consider an infinitesimal fluid element of length ' dL ' within the capillary tube, shown in Figure 3.2 , and applying the equations of conservation of mass, momentum and energy.

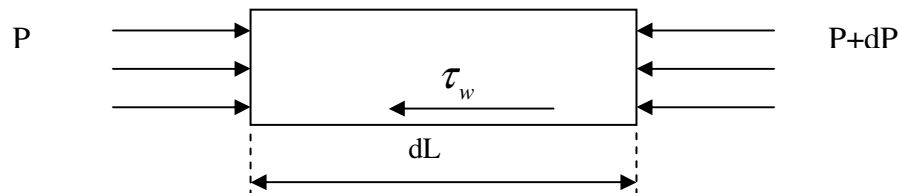


Figure 3.2 Forces acting on the fluid element

Mass Balance

Application of continuity equation results into the following

$$m = \rho AV \quad \text{or} \quad G = \frac{m}{A} = \rho V \quad (3.9)$$

Momentum Balance

On applying the principle of momentum conservation or the Second law of thermodynamics, the following equation will result

$$P.A - (P + dP).A - \tau_w(\pi d)dL = mdV \quad (3.10)$$

On simplification, Equation 3.10 reduces to

$$-dP = \frac{f}{2d} \rho V^2 dL + \rho V dV \quad (3.11)$$

Taking log both sides of equation 3.9 and then differentiating and simplifying

$$-\frac{dV}{V} = \frac{d\rho}{\rho} \quad (3.12)$$

Equation 3.11 reduces to

$$dL = \frac{2d}{f} \left(\frac{\rho dP}{G^2} - \frac{d\rho}{\rho} \right) \quad (3.13)$$

Energy Balance

On applying the steady flow energy equation on the element to get

$$\delta q - \delta w = dh + VdV + gdZ \quad (3.14)$$

3.2.1 Straight Capillary Tube

The mathematical analysis and the development of model for a straight tube are discussed below:

3.2.1.1 Single-phase region

In the single phase liquid region, the refrigerant density is almost constant as the liquids are practically incompressible ($\rho = \text{constant}$) and with tube cross sectional area being constant, from mass balance represented by Equation 3.9, the velocity is constant.

Integrating Equation 3.13, the length of single-phase liquid region

$$L_{sp} = \frac{d}{f_{sp}} \left(\frac{2}{\rho V^2} (P_2 - P_3) \right) = \frac{2d\rho(P_2 - P_3)}{fG^2} \quad (3.15)$$

Pressure loss due to entrance effects

$$P_1 - P_2 = k \frac{\rho V^2}{2} \quad (3.16)$$

where k is the entrance loss coefficient, taken as 1.5

From Equations 3.15 and 3.16

$$L_{sp} = \frac{d}{f_{sp}} \left[\frac{2\rho}{G^2} (P_1 - P_3) - k \right] \quad (3.17)$$

Where ‘fsp’ is the single phase friction factor (Table 3.1).

A number of friction factor correlations are available in literature and some of the correlations have been mentioned in Table 3.1. Out of all the six correlations, Churchill

Table 3.1 Friction Factor Correlation Models

Researchers	Friction Factor Correlation Models
Blassius[9]	$f = \frac{0.316}{R_e^{.25}}$
Moody [28]	$f = \frac{1.325}{\left[\ln \left(\frac{e/d}{3.7} + \frac{5.74}{R_e^{.25}} \right) \right]^2}$
Colebrook [15]	$\frac{1}{\sqrt{f}} = 1.14 + 2.0 \log \left(\frac{e}{d} + \frac{9.3}{R_e \sqrt{f}} \right)$
Churchil [14]	$f = \left[\left(\frac{8}{R_e} \right)^{12} + \left(\frac{1}{(A+B)^{1.5}} \right) \right]^{\frac{1}{12}}$ $A = 2.457 \cdot \ln \left(\frac{1}{(7/R_e)^{0.9} + 0.27(e/d)} \right)^{16}$ and $B = \left(\frac{37530}{R_e} \right)^{16}$
Chen[12]	$\frac{1}{\sqrt{f}} = 2.0 \log \left(\frac{e/d}{3.7065} + \frac{5.042}{R_e} \cdot \log \left[\left(\frac{(e/d)^{1.1098}}{2.8257} + \frac{5.8506}{R_e^{0.898}} \right) \right] \right)$

correlation [15] has been widely accepted and has been used by a number of researchers in the development of their model. In the present mathematical model Moody's correlation [28] has been used for calculating friction factor in single phase as well as in two phase flow region. For straight horizontal capillary tube, there is no change in datum level; therefore potential energy term will become zero. Similarly, velocity is constant in the single phase region ($dV = 0$) the kinetic energy term will also become zero. In addition the flow is adiabatic ($\delta q = 0$) and there are no work interactions ($\delta w = 0$).

Therefore, the energy equation represented by Equation 3.14 has been modified for single phase region as follows:.

$$dh = 0 \quad h_2 = h_3 \quad (3.18)$$

$$\text{or } T_2 = T_3 \quad (3.19)$$

In other words, the flow through the capillary tube is adiabatic, the temperature of the sub cooled liquid is constant as long as it is liquid, i.e. $T_2 = T_3$ and the pressure at section '3', i.e. P_3 , is thus saturated.

3.2.1.2 Two-phase region

Applying continuity equation between sections 3 and 4

$$m = \frac{V_3 A}{v_3} = \frac{V_4 A}{v_4} \quad (3.20)$$

Applying steady flow energy equation, with no external work, heat transfer and potential energy, between sections 3 and 4

$$h_3 + \frac{V_3^2}{2} = h_f + x.h_{fg} + \frac{G^2}{2}(v_f + x.v_{fg})^2 \quad (3.21)$$

Equation 3.21 is quadratic in x and the quality x can be expressed as

$$x = \frac{-h_{fg} - G^2 v_f v_{fg} + \sqrt{(G^2 v_f v_{fg})^2 - 2G^2 v_{fg}^2 \left(\frac{G^2 v_f^2}{2} - h_4 - \frac{v_3}{2} + h_f \right)}}{G^2 v_{fg}^2} \quad (3.22)$$

The two-phase friction factor f_{tp} can be calculated using Moody's correlation [28]. The Reynolds number in two-phase region has to be determined by

$$Re_{tp} = \frac{Vd}{\mu_{tp} v_{tp}} \quad (3.23)$$

where, μ_{tp} is the two-phase dynamic viscosity correlations are available in literature and some of them are listed below in Table 3.2.

Table 3.2 Two-phase viscosity correlation models

Researchsers	viscosity models
McAdams[25]	$\frac{1}{\mu_{tp}} = \frac{x}{\mu_g} + \frac{1-x}{\mu_f}$
Cicchitti [10]	$\mu_{tp} = x.\mu_g + (1-x)\mu_f$
Dukler et al. [17]	$\mu_{tp} = \frac{x.v_g \mu_g + (1-x).v_f \mu_f}{x.v_g + (1-x)\mu_f}$
Beattie et al. [6]	$\mu_{tp} = \alpha_{tp} \mu_g + (1 - \alpha_{tp})(1 + 2.5.\alpha_{tp})\mu_f$
	$\alpha_{tp} = \frac{x.v_g}{v_f + x.v_{fg}}$
Lin et al. [24]	$\mu_{yp} = \frac{\mu_g \mu_f}{x.\mu_g + x^{1.4}(\mu_f - \mu_g)}$

A number of researchers have suggested the use of different viscosity correlation for the prediction of two-phase length of capillary tube. For example, Bittle et al. [20] and Wong et al. [32] have suggested the use of Dukler's model [17] for simulations with R-12 and R-22. Wongwises et al. [30] have found that McAdams correlation [25] gives a better prediction than the Dukler's correlation [17]. Earlier, Bittle et al. [12] have already suggested that McAdams [25] correlation gives the best overall prediction of refrigerant flow for a wide range of refrigerants. As a result it has been decided to employ McAdams [25] viscosity correlation in the development of the proposed model. However, all other viscosity correlations, shown in Table 3.2, shall be compared later in this chapter.

The two-phase region of the tube is divided into ‘n’ number of infinitesimal section with uniform pressure differential ‘dP’ across each section as shown in Figure 3.1.

The pressure at any section ‘i’ is given by

$$P_i = P_3 - i.dP \quad (3.24)$$

where, P_3 is the refrigerant pressure at the end of single phase flow region, which is determined by saturation point at equilibrium, i.e., $P_3 = P_v$. With the pressure P_i corresponding quality, x_i , can be calculated from Equation 3.25, the entropy at the i-th section can be determined from

$$s_i = s_f + x_i s_{fg} \quad (3.25)$$

The incremental length, dL, is calculated from section after section. For each section, pressure, temperature, vapour quality, friction factor and entropy are calculated. It has been found that the entropy kept on increasing and after attaining certain value it decreases as calculated but according to second law of thermodynamics enthalpy is to increase so computations is done to point where entropy increases. The calculations have been made up to the point of maximum entropy. The pressure of the elemental section where entropy is maximum ($P_{i,smax}$), is then compared to the evaporator pressure (P_{evap})

$$\begin{array}{ll} \text{If } P_{i,smax} = P_e & \text{then } P_4 = P_e \\ \text{If } P_{i,smax} \neq P_e & \text{then } P_4 = P_{i,smax} \end{array}$$

Integrating for the section 3 – 4

$$L_{tp} = 2d \left(\frac{-1}{G^2} \int_{P_3}^{P_{i,max}} \frac{\rho}{f_{sp}} dp + \int_{P_3}^{P_{i,max}} \frac{d\rho}{\rho f_{sp}} \right) \quad (3.26)$$

The incremental length of each section is calculated using

$$\Delta L_i = \frac{2d}{f_{tp,i}} \left(\frac{-\rho_i \Delta P}{G^2} + \frac{\Delta \delta}{\rho_i} \right) \quad (3.27)$$

The total length of two-phase region is

$$L_{tp} = \sum_{i=1}^n \Delta L_i \quad (3.28)$$

The total length of capillary tubes is the sum of single phase and two-phase length.

$$L = L_{sp} + L_{tp} \quad (3.29)$$

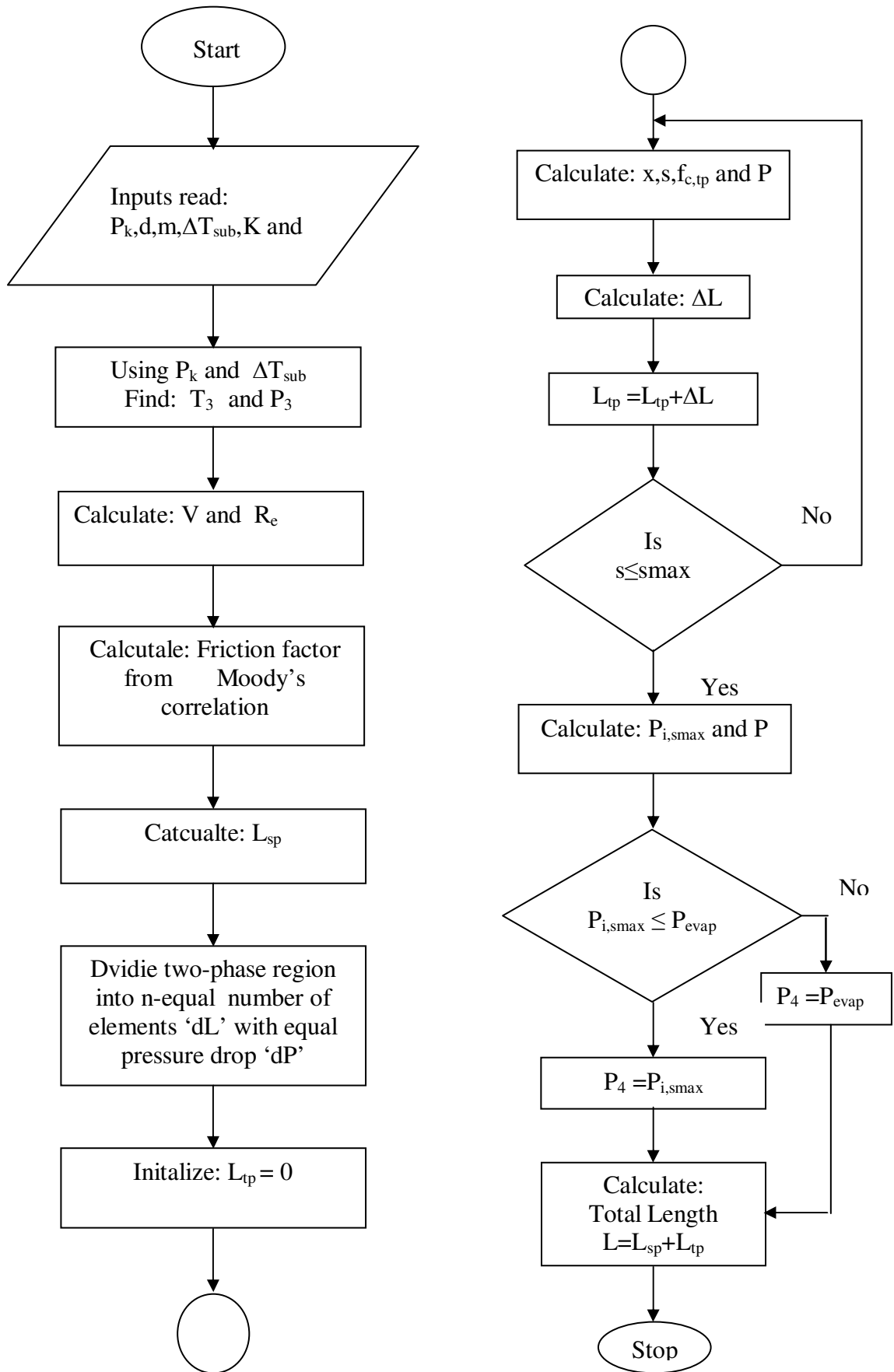


Figure 3.3 Flow chart for the computation of straight capillary tube length

3.3 Simulation With ANSYS CFX

An ANSYS CFX analysis consists of several main steps.

- 3.3.1 Define the Problem Domain.
- 3.3.2 Define the Flow Regime.
- 3.3.3 Creating the Finite Element Mesh.
- 3.3.4 Applying Boundary Conditions.
- 3.3.5 Setting ANSYS CFX Analysis Parameters.
- 3.3.6 Solve the Problem.
- 3.3.7 Examine the Results.

3.3.1 Define the Problem Domain

We have to first of all define the proper domain for each problem to analyze and then apply the boundaries of the problem where conditions are known.

3.3.2 Define the Flow Regime

In this step, the character of the flow is defined, as the character is a function of the fluid properties, geometry, and the approximate magnitude of the velocity field.

Fluid flow problems that ANSYS CFX solves will include gases and liquids, the properties of which can vary significantly with temperature. The flow of gases is restricted to ideal gases. So it is very important to determine whether the effect of temperature on fluid density, viscosity, and thermal conductivity. As in many cases, we can get adequate results with constant properties.

To assess whether we need the ANSYS CFX turbulence model, use an estimate of the Reynolds number, which measures the relative strengths of the inertial and viscous forces.

To determine whether we need to use the compressible flow option, estimate the Mach number. As the Mach number at any point in the flow field is the ratio of the fluid speed and the speed of sound. At Mach numbers above approximately 0.3, consider using the compressible solution. At Mach numbers above approximately 0.7, we can expect significant differences between incompressible and compressible results.

3.3.3 Creating the Finite Element Mesh

We have to make assumptions about where the gradients are expected to be the highest, and adjust the mesh accordingly. Now let us consider if we are using the turbulence model, then the region near the walls must have a much denser mesh than that

would be needed for a laminar flow.

We have to use hexahedral elements to capture detail in high-gradient regions and tetrahedral elements in less critical regions. Although we can instruct ANSYS to automatically create pyramid elements at the interface.

For two phase flow analysis, especially turbulent, we should not to use pyramid elements in the region near the walls because it may lead to inaccuracies in the solution.

3.3.4 Applying Boundary Conditions

After creating CFX mesh for the problem to be analyzed we have to apply the boundary conditions for the problem that we can done before or after creation of the CFX mesh. We have to define the boundary condition for the each element in the problem.

If we not able to properly define specified condition for a dependent variable, a zero gradient of that value normal to the surface is assumed.

We have no need to restart the ANSYS CFX analysis if we forgot to apply the boundary condition accidentally because we can change the boundary condition unless the change causes instabilities in the analysis solution.

3.3.5 Setting ANSYS CFX Analysis Parameters

In order to use the solution of the temperature equation for the two phase region, we must have to activate and the behavior of relevant dependent variables. These variables include velocity, pressure, and temperature.

An analysis typically requires multiple restarts.

3.3.6 Solve the Problem

We have to observe the convergence of solution and stability of the analysis by observing the rate of change of the solution and the behavior of relevant dependent variables. These variables include velocity, pressure, and temperature.

3.3.7 Examine the Results

After the solution run by the ANSYS CFX we have to run the post processor to get the output results in the form of graphs, for this we have to define the stream line which acts as reference to draw graphs.

3.4 ANSYS CFX Solution Methodology

In order to use simulation techniques developed, a physical model is used in re Pro/E. After creation of the physical model, file is saved in *.iges format.

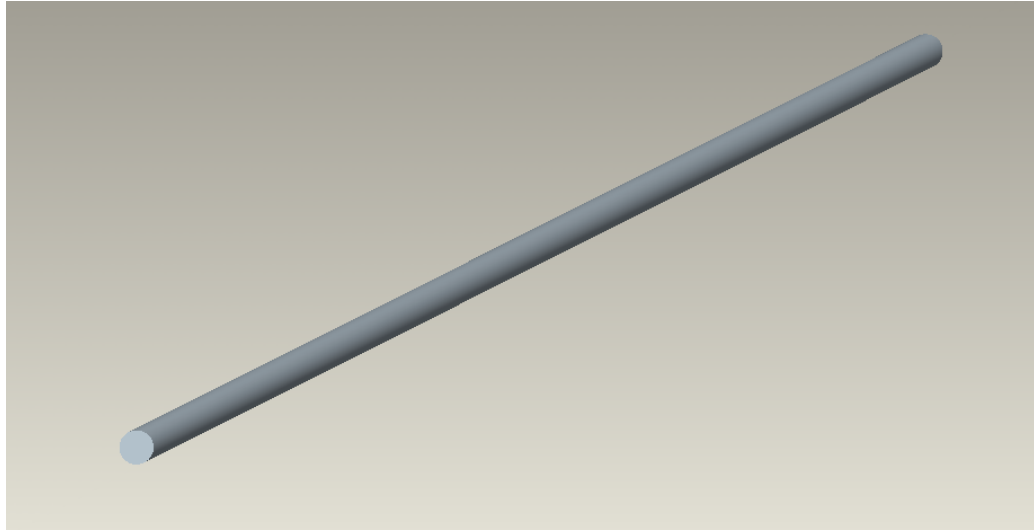


Figure 3.4 Straight capillary tube model

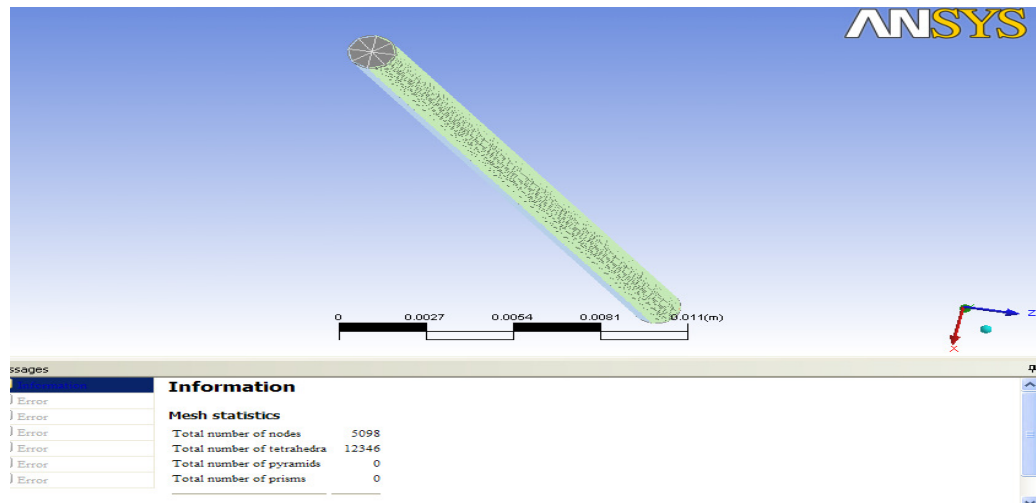


Figure 3.5 Meshing

Now open the ANSYS Workbench and open the meshing module for creation of CFX mesh. Set the physical preference as CFD and mesh method as CFX. Import the geometry

in the ANSYS Workbench, by clicking on the tab geometry and from this tab select from file. A new window CFX mesh is opened. Now set the default body spacing and default face spacing as the size of the capillary tube used is small reduce the size of default body spacing and default face spacing. The meshing is done by iterative process. If a very fine mesh is created then more calculation work is to be done by the processor. Generate the volume mesh by clicking on generate volume mesh. file is saved in *.gtm or *.cndb.

After creation of CFX mesh, open ANSYS CFX module. In the ANSYS CFX open CFX-Pre and from the file menu select new simulation and set the simulation type as general. By right click on the mesh, select import mesh and window display as shown in figure 3.6.

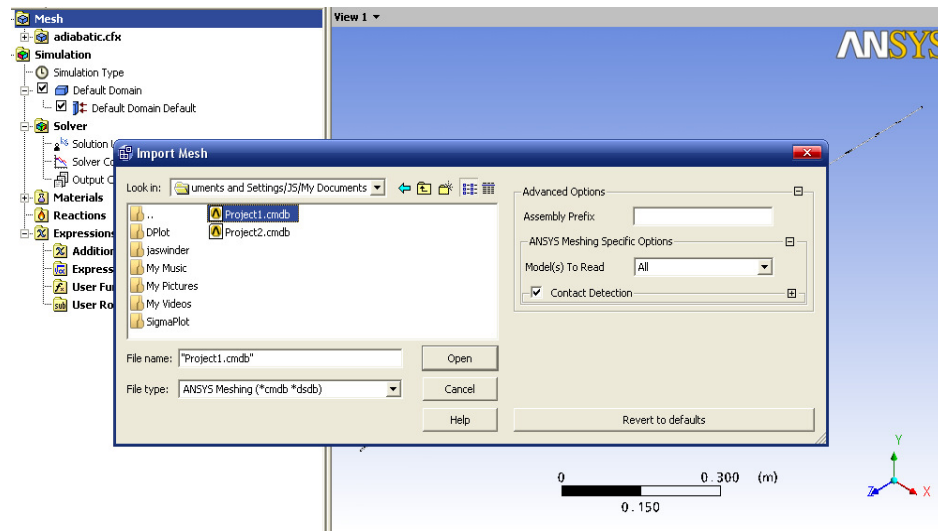


Figure 3.6 Import mesh

Add the material by selecting tab material and then select import from library select materials-redkw.ccl. A list of refrigerant opened, now select R12Rkv1. As in the capillary tube there are two flow regions i.e. single phase and two phase. So we have to select R12Rkv which is suitable for single phase and two phase flow. As shown in figure 3.7

Now click on default domain tab and insert the boundary conditions as inlet. Inlet in default domain tab is opened in this, icon select the inlet boundary from the model and

after that fill the boundary details as static pressure at the inlet and temperature at the inlet. Similarly create the outlet boundary and fill the details and then click on apply these settings.

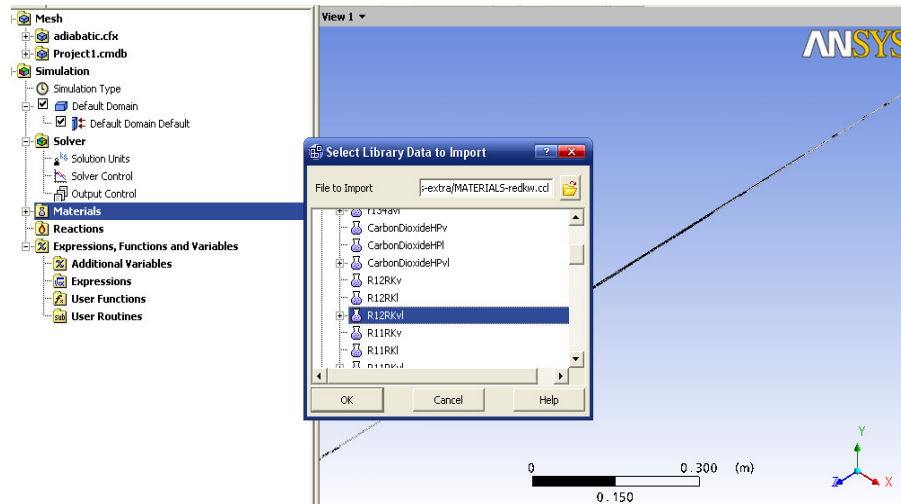


Figure 3.7 Import material from library data

After that select default domain default tab and select the wall as ANSYS CFX creates the wall adiabatic by default and the model acting as a working fluid. Now solve the model with solver and the results are obtained through CFX-Post.

Results and Discussion

In this chapter, the results obtained from the proposed developed mathematical model are compared with the commercial available software ANSYS CFX module and the effect of flow properties on the refrigerant inside the straight adiabatic capillary tube

4.1 Straight Capillary Tube

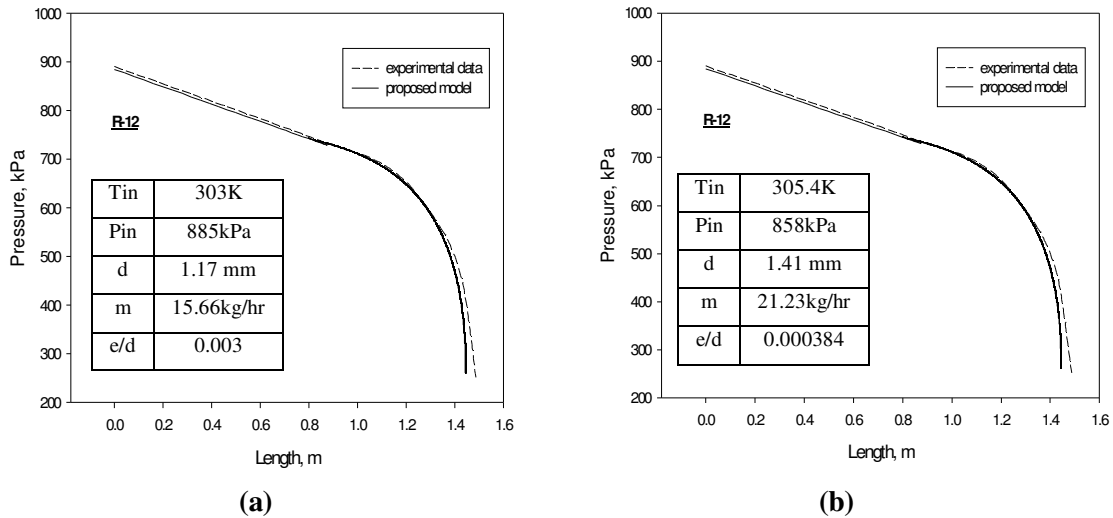
For the study of flow properties inside the straight capillary tube R-12 is used as a working fluid and the data used is from Li et al. [24] for the first case and for the second case data from Mikol [27] is used.

Table 4.1 Input Parameters

S.No.	Input Parameters	Case 1	Case 2
1	Refrigerant Used	R12	R12
2	Mass flow rate	15.66 kg/h	21.23 kg/h
3	Dia of Capillary Tube	1.17 mm	1.41 mm
4	Roughness Ratio	0.003	0.000384
5	Capillary Tube Inlet Pressure	885 kPa	858 kPa
6	Capillary Tube Inlet Temperature	303K	305.8K

Table 4.1 shows the input parameters used for the R-12 to find the length of the straight adiabatic capillary tube and to further study the effect of fluid properties such as pressure, temperature, density, viscosity, specific volume, reynolds number and dryness fraction on length.

The proposed model is compared with the experimental data of Li et al. [24] and Mikol [27] for R-12 and the present experimental study for R12 in ANSYS CFX module and Visual C++ model to study the flow characteristics for R12 refrigerant inside the straight capillary tube.



**Figure 4.1 a) Comparison of proposed model with experimental data of Li et al. [24]
b) Comparison of proposed model with experimental data of Mikol et al. [27]**

Figure 4.1a has been drawn to compare the proposed model with experimental results of Li et al. [24]. The proposed model under predicts the capillary length by 2.7 percent for Li et al. [24] experimental data generated for the flow of R-12. Hence, the proposed model is in good agreement with the data of Li et al. [24]. In the figure 4.1b the capillary tube length for the proposed model under predicts the experimental data of Mikol et al. [27] by 3.4 percent. Hence, the proposed model is in good agreement with the data of Mikol et al. [27]. In the present study we show the results obtained from the proposed model and ANSYS CFX.

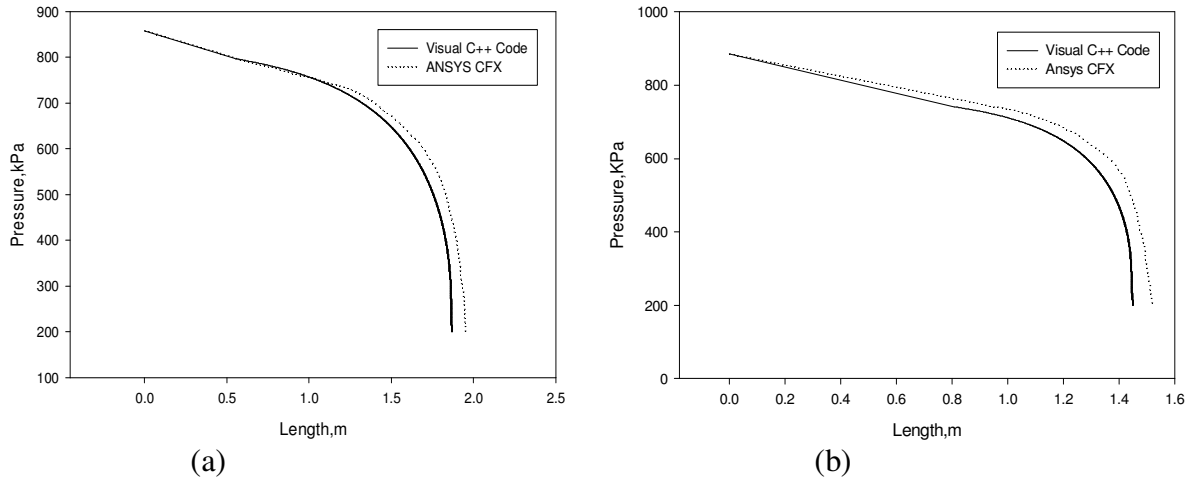
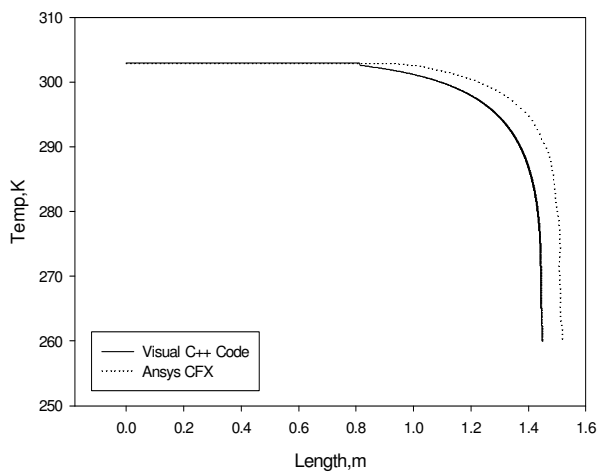
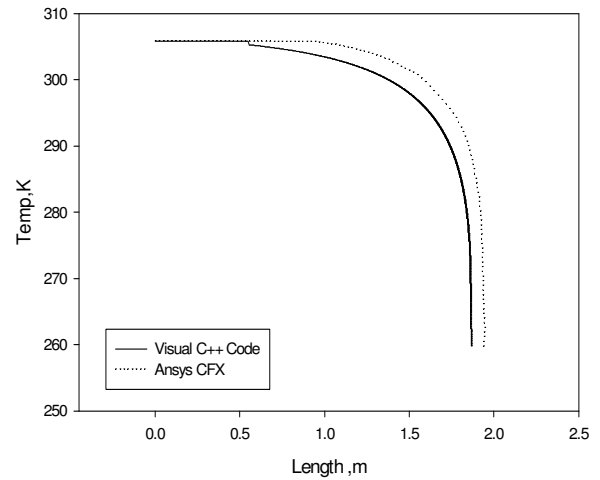


Figure 4.2 Pressure and length plot for proposed model and ANSYS CFX

Figure 4.1 has been drawn to compare the proposed model with the ANSYS CFX module to study the flow characteristics for R12 refrigerant inside the straight capillary tube. The length of the proposed model for case 1 is 1.4491m and with ANSYS CFX is 1.519 m. The result obtained from the proposed model under predicts the capillary length as compared to ANSYS CFX for the flow of R-12. . The length of the proposed model for case 2 is 1.867 m and with ANSYS CFX is 1.9490 m. The result obtained from the proposed model under predicts the capillary length as compared to ANSYS CFX Hence, the proposed model is in good agreement with the ANSYS CFX. As the refrigerant in liquid state enters in the straight capillary tube its pressure drops linearly. As the refrigerant enters in the two phase region there is sharp decrease in pressure and temperature this is due to cumulative effect of friction pressure drop and acceleration pressure drop, which leads to more vaporization of the fluid into the two phase region.

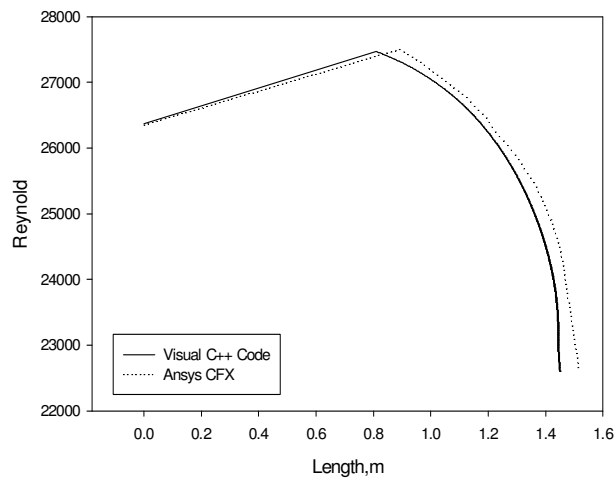


(a)

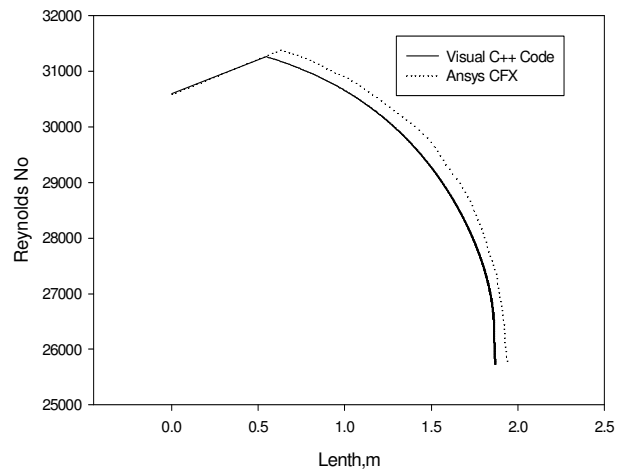


(b)

Figure 4.3 Temperature and length plot for proposed model with ANSYS CFX

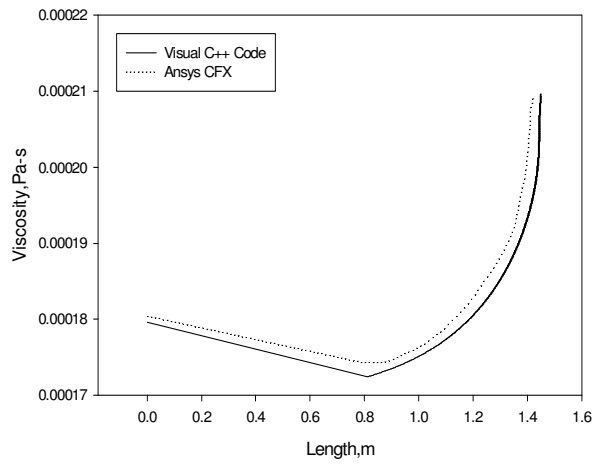


(a)

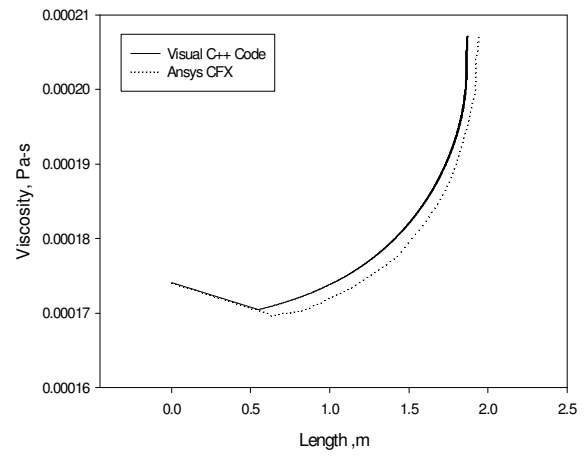


(b)

Figure 4.4 Reynolds number and length plot for proposed model with ANSYS CFX

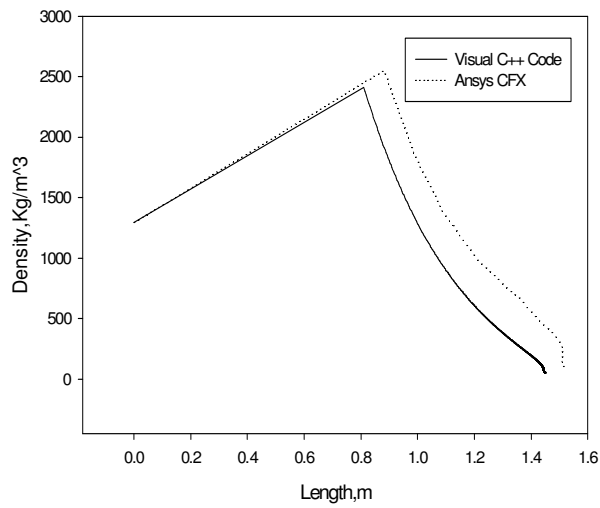


(a)

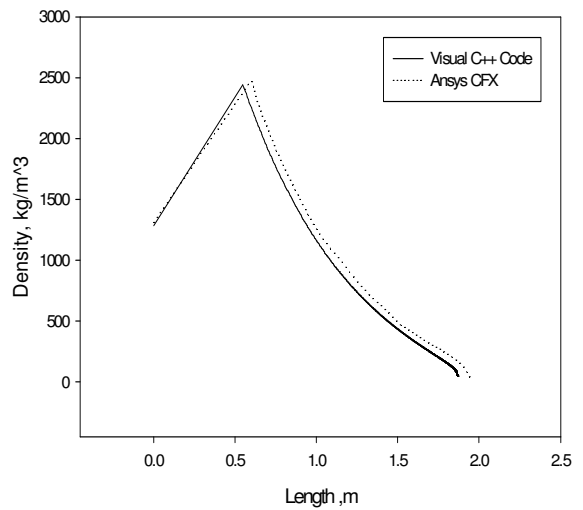


(b)

Figure 4.5 Viscosity and length plot for proposed model with ANSYS CFX



(a)



(b)

Figure 4.6 Density and length plot for proposed model with ANSYS CFX

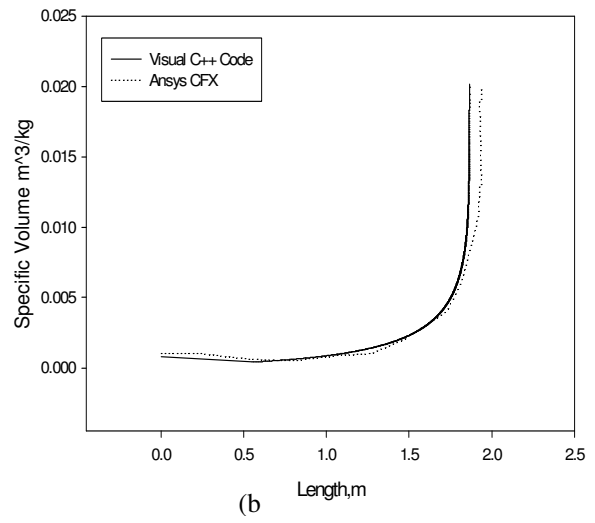
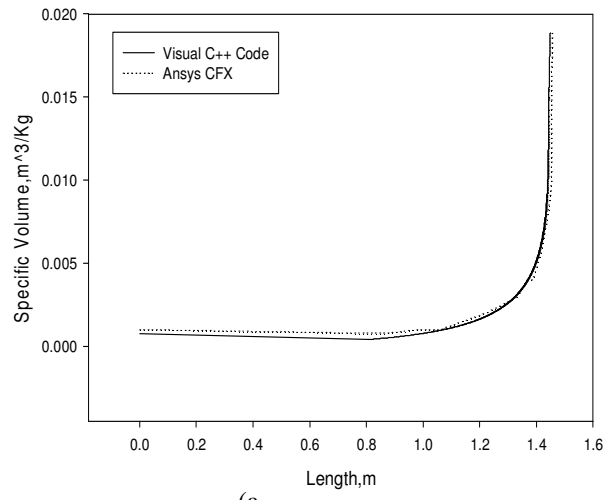


Figure 4.7 Specific volume and length plot for proposed model with ANSYS CFX

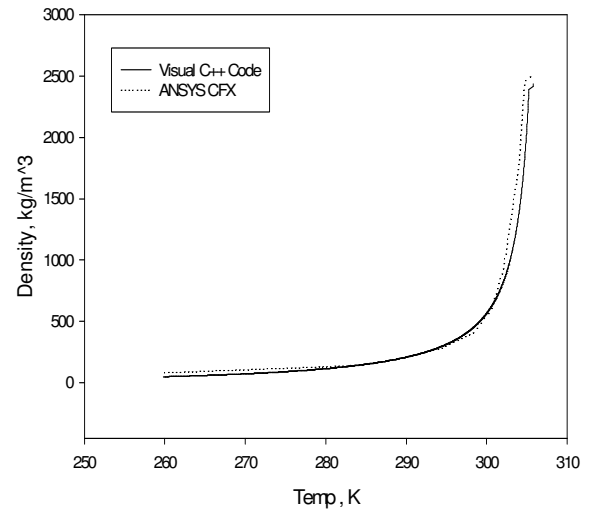
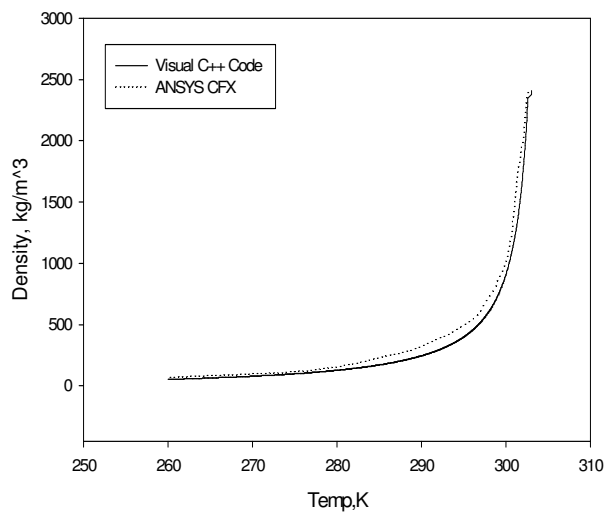


Figure 4.8 Specific density and temperature plot for proposed model with ANSYS CFX

4.2 Conclusion Remarks

The following conclusion can be drawn

- The mathematical model for straight adiabatic capillary tube has been developed by using the law of conservation of mass momentum and energy and the model is capable of predicting the capillary tube length for a given mass flow rate.
- Similar model is obtained in the ANSYS CFX and the results are found to be in fair agreement

4.2.1 Scope of Future work

The metastable region should be included in future research work for calculating the adiabatic capillary tube length.

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```
// Program for R-12 Refrigerant Straight Adiabatic Capillary Tube (Case 1)
#include"stdafx.h"
ofstream fout("output.txt");
void main( )
{
// Length Calculation in Single Phase Region
    double t1=303, p1=885000, p3=740720, d=1.17/1000, m=15.66/3600, w=0.003,
           rho=1294.2, k=1.5, A=0, V=0, G=0, p2=0, Re=0, den=0, f=0, Lsp=0,
           mu=0.00017964;
    A=3.1415*d*d/4;
    V=m/(rho*A);
    G=rho*V;
    p2=p1-k*rho*V*V/2;
    Re=rho*V*d/mu;
// Using Moody [28] Friction Factor Correlation
    den =log(w/3.7+5.74/(Re*Re));
    f=1.325/pow(den,2);
    double L=2*rho*(p1-p3)/pow(G,2)-k;
    Lsp=L*d/f;
// Length Calculation in Two Phase Region
    double p=p3, dp=1000, Rf=0, Rg=0, hf=0, hg=0, sf=0, sg=0, Vf=0, Vg=0, vf, vg,
           hfg, vfg,x=0,h3=228890,V3,mutp=0,4, Retp=0,R,R1,ltp=0,sfg,s,v, Rfg,
           s2=0, T, dl, muf, mug, i=1;
    do
    {
        p=p3-dp;
        s=s2;
```

```

R1=R;
T=(pow(1+p,0.116))*63.0952;
Rf=(pow(1+p,-0.0806))*3860.4883;
Rg=0.7863+5.5397E-005*p;
hf=177.5179+7.2397E-005*p;
hg=342.8190+3.2090E-005*p;
sf= sf=0.9214+2.5253E-007*p;
sg=1.5683+(-2.7835E-008)*p;
Vf=1/Rf;
Vg=1/Rg;
hfg=hg-hf;
sfg=sg-sf;
vfg=vg-vf;
Rfg=Rg-Rf;
muf=0.0003+(-1.7551E-010)*p;
mug=9.6606E-006+3.0556E-012*p;
double E=0,B=0,C=0,D=0;
E=-hfg-G*G*vf*vfg;
B=G*G*vf*vfg+hfg;
C=G*G*vfg*vfg;
D=(G*G*vf*vf/2)+hf-V3*V3/2-h3;
x=(E+sqrt(B*B-2*C*D))/(C*C);
// Using Cicchitti [10] Viscosity Correlation
mutp= mutp=x*mug+(1-x)*muf;
s=sf+(x*sfg);
v=vf+(x*vfg);
R=Rf+(x*Rfg);
if(i==1)
{
    R1=R;
} i++;

```

```

V4=m/(R*A);
G=m/A;
s2=sf+x*sfg;
Retp=R*V4*d/mutp;
// Using Moody [28] Friction Factor Correlation
den =log((w/3.7)+(5.74/(Retp*Retp)));
f=1.325/pow(den,2);
dl=(2*d*((-R*dp/pow(G,2))+(R-R1)/R))/f;
p3=p;
ltp+=dl;
}while(s<=s2+0.01 && p>=200);
fout<<"\n\n"<<ltp;
}

```

```

// Program for R-12 Refrigerant Straight Adiabatic Capillary Tube (Case 2)
#include"stdafx.h"
ofstream fout("output1.txt");
void main( )
{
// Length Calculation in Single Phase Region
double t1=305.8, p1=858000, p3=740720, d=1.41/1000, m=21.23/3600, k=1.5,
      rho=1294.2, w=0.000384, A=0, V=0, G=0, p2=0, Re=0, den=0, f=0,
      Lsp=0, mu=0.00017411;
A=3.1415*d*d/4;
V=m/(rho*A);
G=rho*V;
p2=p1-k*rho*V*V/2;
Re=rho*V*d/mu;
// Using Moody [28] Friction Factor Correlation
den =log(w/3.7+5.74/(Re*Re));
f=1.325/pow(den,2);
double L=2*rho*(p1-p3)/pow(G,2)-k;
Lsp=L*d/f;
// Length Calculation in Two Phase Region
double p=p3, dp=400, Rf=0, Rg=0, hf=0, hg=0, sf=0, sg=0, Vf=0, Vg=0, vf, vg,
      hfg, vfg, x=0, h3=231.9, V3, mutp=0, V4, Retp=0, R,R1, ltp=0, sfg, s, v,
      Rfg, s2=0, T, dl, muf, mug,i=1;
do
{
p=p3-dp;
s=s2;
R1=R;
T=(pow(1+p,0.1167))*62.5157;
Rf=(pow(1+p,-0.0824))*3951.6077;
Rg=0.7468+5.5498E-005*p;

```

```

hf=178.4872+6.9916E-005*p;
hg=343.3946+3.0616E-005*p;
sf= 0.9254+2.4236E-007*p;
sg=(pow(1+p,-0.0078))*1.7209;
Vf=1/Rf;
Vg=1/Rg;
hfg=hg-hf;
sfg=sg-sf;
vfg=vg-vf;
Rfg=Rg-Rf;
muf=0.0003+(-1.6592E-010)*p;
mug=9.6944E-006+2.9691E-012*p;
double E=0,B=0,C=0,D=0;
E=-hfg-G*G*vf*vfg;
B=G*G*vf*vfg+hfg;
C=G*G*vfg*vfg;
D=(G*G*vf*vf/2)+hf-V3*V3/2-h3;
x=(E+sqrt(B*B-2*C*D))/(C*C);
// Using Cicchitti [10] Viscosity Correlation
mutp= mutp=x*mug+(1-x)*muf;
s=sf+(x*sfg);
v=vf+(x*vfg);
R=Rf+(x*Rfg);
if(i==1)
{
    R1=R;
} i++;
V4=m/(R*A);
G=m/A;
s2=sf+x*sfg;
Retp=R*V4*d/mutp;

```

```

// Using Moody [28] Friction Factor Correlation
    den =log((w/3.7)+(5.74/(Retp*Retp)));
    f=1.325/pow(den,2);
    dl=(2*d*((-R*dp/pow(G,2))+(R-R1)/R))/f;
    p3=p;
    ltp+=dl;
} while(s<=s2+0.01 && p>=200);
fout<<"\\n\\n"<<ltp;
}

```

Program Result for R-12 Refrigerant (Case 1)

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
885	303	1294.2	7.73E-04	1.80E-04	2.64E+04	0.00E+00	0.00E+00	1.1017	228.753
740.72	303	2409.74	4.15E-04	1.72E-04	2.75E+04	8.09E-01	0.00E+00	1.1017	228.753
740.22	302.581	2377.74	4.21E-04	1.72E-04	2.75E+04	8.15E-01	0.00E+00	1.1017	229.064
739.72	302.558	2344.54	4.27E-04	1.73E-04	2.75E+04	8.19E-01	0.00E+00	1.10169	229.064
739.22	302.534	2312.23	4.32E-04	1.73E-04	2.74E+04	8.24E-01	0.00E+00	1.10168	229.064
738.72	302.51	2280.76	4.38E-04	1.73E-04	2.74E+04	8.28E-01	0.00E+00	1.10167	229.064
738.22	302.486	2250.1	4.44E-04	1.73E-04	2.74E+04	8.32E-01	0.00E+00	1.10166	229.064
737.72	302.463	2220.23	4.50E-04	1.73E-04	2.74E+04	8.36E-01	0.00E+00	1.10165	229.064
737.22	302.439	2191.11	4.56E-04	1.73E-04	2.74E+04	8.40E-01	0.00E+00	1.10164	229.064
736.72	302.415	2162.71	4.62E-04	1.73E-04	2.74E+04	8.44E-01	0.00E+00	1.10163	229.064
736.22	302.391	2135.02	4.68E-04	1.73E-04	2.74E+04	8.48E-01	0.00E+00	1.10162	229.064
735.72	302.367	2107.99	4.74E-04	1.73E-04	2.74E+04	8.52E-01	0.00E+00	1.10161	229.064
735.22	302.344	2081.61	4.80E-04	1.73E-04	2.74E+04	8.56E-01	0.00E+00	1.1016	229.064
734.72	302.32	2055.86	4.86E-04	1.73E-04	2.74E+04	8.60E-01	0.00E+00	1.10159	229.064
734.22	302.296	2030.71	4.92E-04	1.73E-04	2.74E+04	8.64E-01	0.00E+00	1.10158	229.064
733.72	302.272	2006.14	4.98E-04	1.73E-04	2.74E+04	8.68E-01	0.00E+00	1.10157	229.064
733.22	302.248	1982.13	5.05E-04	1.73E-04	2.74E+04	8.71E-01	0.00E+00	1.10156	229.064
732.72	302.224	1958.67	5.11E-04	1.73E-04	2.74E+04	8.75E-01	0.00E+00	1.10155	229.064
732.22	302.2	1935.73	5.17E-04	1.73E-04	2.73E+04	8.79E-01	0.00E+00	1.10154	229.063
731.72	302.176	1913.3	5.23E-04	1.73E-04	2.73E+04	8.82E-01	0.00E+00	1.10153	229.063
731.22	302.152	1891.36	5.29E-04	1.73E-04	2.73E+04	8.86E-01	0.00E+00	1.10152	229.063
730.72	302.128	1869.9	5.35E-04	1.73E-04	2.73E+04	8.89E-01	0.00E+00	1.10151	229.063
730.22	302.104	1848.89	5.41E-04	1.73E-04	2.73E+04	8.93E-01	0.00E+00	1.10151	229.063
729.72	302.08	1828.33	5.47E-04	1.73E-04	2.73E+04	8.96E-01	0.00E+00	1.1015	229.063
729.22	302.056	1808.2	5.53E-04	1.73E-04	2.73E+04	8.99E-01	0.00E+00	1.10149	229.063
728.72	302.032	1788.49	5.59E-04	1.74E-04	2.73E+04	9.03E-01	0.00E+00	1.10148	229.063
728.22	302.008	1769.18	5.65E-04	1.74E-04	2.73E+04	9.06E-01	0.00E+00	1.10147	229.063
727.72	301.984	1750.27	5.71E-04	1.74E-04	2.73E+04	9.09E-01	0.00E+00	1.10146	229.063
727.22	301.96	1731.73	5.77E-04	1.74E-04	2.73E+04	9.12E-01	0.00E+00	1.10145	229.063
726.72	301.936	1713.57	5.84E-04	1.74E-04	2.73E+04	9.16E-01	0.00E+00	1.10144	229.063
726.22	301.912	1695.76	5.90E-04	1.74E-04	2.73E+04	9.19E-01	0.00E+00	1.10143	229.063
725.72	301.888	1678.3	5.96E-04	1.74E-04	2.73E+04	9.22E-01	0.00E+00	1.10142	229.063
725.22	301.864	1661.17	6.02E-04	1.74E-04	2.72E+04	9.25E-01	0.00E+00	1.10141	229.063
724.72	301.84	1644.38	6.08E-04	1.74E-04	2.72E+04	9.28E-01	0.00E+00	1.1014	229.063
724.22	301.815	1627.9	6.14E-04	1.74E-04	2.72E+04	9.31E-01	0.00E+00	1.1014	229.063
723.72	301.791	1611.74	6.20E-04	1.74E-04	2.72E+04	9.34E-01	0.00E+00	1.10139	229.063
723.22	301.767	1595.87	6.27E-04	1.74E-04	2.72E+04	9.37E-01	0.00E+00	1.10138	229.062
722.72	301.743	1580.3	6.33E-04	1.74E-04	2.72E+04	9.40E-01	0.00E+00	1.10137	229.062
722.22	301.719	1565.01	6.39E-04	1.74E-04	2.72E+04	9.43E-01	0.00E+00	1.10136	229.062
721.72	301.694	1550	6.45E-04	1.74E-04	2.72E+04	9.46E-01	0.00E+00	1.10135	229.062
721.22	301.67	1535.26	6.51E-04	1.74E-04	2.72E+04	9.49E-01	0.00E+00	1.10134	229.062
720.72	301.646	1520.78	6.58E-04	1.74E-04	2.72E+04	9.51E-01	0.00E+00	1.10133	229.062
720.22	301.622	1506.55	6.64E-04	1.74E-04	2.72E+04	9.54E-01	0.00E+00	1.10133	229.062
719.72	301.597	1492.57	6.70E-04	1.74E-04	2.72E+04	9.57E-01	0.00E+00	1.10132	229.062
719.22	301.573	1478.84	6.76E-04	1.74E-04	2.72E+04	9.60E-01	0.00E+00	1.10131	229.062
718.72	301.549	1465.34	6.82E-04	1.74E-04	2.72E+04	9.62E-01	0.00E+00	1.1013	229.062
717.72	301.5	1439.03	6.95E-04	1.75E-04	2.71E+04	9.68E-01	0.00E+00	1.10128	229.062
717.22	301.476	1426.2	7.01E-04	1.75E-04	2.71E+04	9.70E-01	0.00E+00	1.10127	229.062

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
716.22	301.427	1401.18	7.14E-04	1.75E-04	2.71E+04	9.76E-01	0.00E+00	1.10126	229.061
715.22	301.378	1376.97	7.26E-04	1.75E-04	2.71E+04	9.81E-01	0.00E+00	1.10124	229.061
714.72	301.353	1365.16	7.33E-04	1.75E-04	2.71E+04	9.83E-01	0.00E+00	1.10123	229.061
714.22	301.329	1353.53	7.39E-04	1.75E-04	2.71E+04	9.86E-01	0.00E+00	1.10123	229.061
713.72	301.305	1342.09	7.45E-04	1.75E-04	2.71E+04	9.88E-01	0.00E+00	1.10122	229.061
713.22	301.28	1330.83	7.51E-04	1.75E-04	2.71E+04	9.91E-01	0.00E+00	1.10121	229.061
712.72	301.256	1319.74	7.58E-04	1.75E-04	2.71E+04	9.93E-01	0.00E+00	1.1012	229.061
712.22	301.231	1308.83	7.64E-04	1.75E-04	2.71E+04	9.95E-01	0.00E+00	1.10119	229.061
711.72	301.206	1298.08	7.70E-04	1.75E-04	2.71E+04	9.98E-01	1.21E-04	1.10118	229.061
711.22	301.182	1287.49	7.77E-04	1.75E-04	2.70E+04	1.00E+00	3.85E-04	1.10118	229.061
710.72	301.157	1277.07	7.83E-04	1.75E-04	2.70E+04	1.00E+00	6.49E-04	1.10117	229.061
710.22	301.133	1266.8	7.89E-04	1.75E-04	2.70E+04	1.00E+00	9.14E-04	1.10116	229.061
709.72	301.108	1256.68	7.96E-04	1.75E-04	2.70E+04	1.01E+00	1.18E-03	1.10115	229.06
709.22	301.084	1246.72	8.02E-04	1.75E-04	2.70E+04	1.01E+00	1.44E-03	1.10115	229.06
708.72	301.059	1236.9	8.08E-04	1.75E-04	2.70E+04	1.01E+00	1.71E-03	1.10114	229.06
708.22	301.034	1227.22	8.15E-04	1.75E-04	2.70E+04	1.01E+00	1.97E-03	1.10113	229.06
707.72	301.01	1217.68	8.21E-04	1.75E-04	2.70E+04	1.02E+00	2.23E-03	1.10112	229.06
707.22	300.985	1208.28	8.28E-04	1.75E-04	2.70E+04	1.02E+00	2.50E-03	1.10111	229.06
706.72	300.96	1199.01	8.34E-04	1.76E-04	2.70E+04	1.02E+00	2.76E-03	1.10111	229.06
706.22	300.936	1189.87	8.40E-04	1.76E-04	2.70E+04	1.02E+00	3.02E-03	1.1011	229.06
705.72	300.911	1180.86	8.47E-04	1.76E-04	2.70E+04	1.02E+00	3.29E-03	1.10109	229.06
705.22	300.886	1171.98	8.53E-04	1.76E-04	2.70E+04	1.03E+00	3.55E-03	1.10108	229.06
704.72	300.861	1163.22	8.60E-04	1.76E-04	2.70E+04	1.03E+00	3.81E-03	1.10108	229.06
704.22	300.837	1154.58	8.66E-04	1.76E-04	2.70E+04	1.03E+00	4.08E-03	1.10107	229.06
703.72	300.812	1146.06	8.73E-04	1.76E-04	2.69E+04	1.03E+00	4.34E-03	1.10106	229.059
703.22	300.787	1137.65	8.79E-04	1.76E-04	2.69E+04	1.04E+00	4.60E-03	1.10105	229.059
702.72	300.762	1129.35	8.85E-04	1.76E-04	2.69E+04	1.04E+00	4.87E-03	1.10105	229.059
702.22	300.737	1121.17	8.92E-04	1.76E-04	2.69E+04	1.04E+00	5.13E-03	1.10104	229.059
701.72	300.712	1113.1	8.98E-04	1.76E-04	2.69E+04	1.04E+00	5.39E-03	1.10103	229.059
701.22	300.688	1105.13	9.05E-04	1.76E-04	2.69E+04	1.04E+00	5.65E-03	1.10103	229.059
700.72	300.663	1097.27	9.11E-04	1.76E-04	2.69E+04	1.05E+00	5.92E-03	1.10102	229.059
700.22	300.638	1089.5	9.18E-04	1.76E-04	2.69E+04	1.05E+00	6.18E-03	1.10101	229.059
699.72	300.613	1081.84	9.24E-04	1.76E-04	2.69E+04	1.05E+00	6.44E-03	1.101	229.059
699.22	300.588	1074.28	9.31E-04	1.76E-04	2.69E+04	1.05E+00	6.70E-03	1.101	229.059
698.72	300.563	1066.82	9.37E-04	1.76E-04	2.69E+04	1.05E+00	6.97E-03	1.10099	229.058
698.22	300.538	1059.44	9.44E-04	1.76E-04	2.69E+04	1.06E+00	7.23E-03	1.10098	229.058
697.72	300.513	1052.17	9.50E-04	1.76E-04	2.69E+04	1.06E+00	7.49E-03	1.10098	229.058
697.22	300.488	1044.98	9.57E-04	1.76E-04	2.69E+04	1.06E+00	7.75E-03	1.10097	229.058
696.72	300.463	1037.88	9.64E-04	1.76E-04	2.69E+04	1.06E+00	8.01E-03	1.10096	229.058
696.22	300.438	1030.87	9.70E-04	1.76E-04	2.68E+04	1.06E+00	8.28E-03	1.10095	229.058
695.72	300.413	1023.95	9.77E-04	1.76E-04	2.68E+04	1.06E+00	8.54E-03	1.10095	229.058
695.22	300.388	1017.11	9.83E-04	1.77E-04	2.68E+04	1.07E+00	8.80E-03	1.10094	229.058
694.72	300.363	1010.35	9.90E-04	1.77E-04	2.68E+04	1.07E+00	9.06E-03	1.10093	229.058
694.22	300.338	1003.68	9.96E-04	1.77E-04	2.68E+04	1.07E+00	9.32E-03	1.10093	229.058
693.72	300.313	997.083	1.00E-03	1.77E-04	2.68E+04	1.07E+00	9.58E-03	1.10092	229.057
693.22	300.288	990.568	1.01E-03	1.77E-04	2.68E+04	1.07E+00	9.85E-03	1.10091	229.057
692.72	300.262	984.129	1.02E-03	1.77E-04	2.68E+04	1.08E+00	1.01E-02	1.10091	229.057
692.22	300.237	977.766	1.02E-03	1.77E-04	2.68E+04	1.08E+00	1.04E-02	1.1009	229.057
691.22	300.187	965.263	1.04E-03	1.77E-04	2.68E+04	1.08E+00	1.09E-02	1.10089	229.057
690.72	300.162	959.12	1.04E-03	1.77E-04	2.68E+04	1.08E+00	1.12E-02	1.10088	229.057
690.22	300.137	953.048	1.05E-03	1.77E-04	2.68E+04	1.08E+00	1.14E-02	1.10088	229.057
689.72	300.111	947.045	1.06E-03	1.77E-04	2.68E+04	1.09E+00	1.17E-02	1.10087	229.057

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
689.22	300.086	941.11	1.06E-03	1.77E-04	2.68E+04	1.09E+00	1.19E-02	1.10086	229.056
688.72	300.061	935.243	1.07E-03	1.77E-04	2.67E+04	1.09E+00	1.22E-02	1.10086	229.056
687.72	300.01	923.705	1.08E-03	1.77E-04	2.67E+04	1.09E+00	1.27E-02	1.10084	229.056
687.22	299.985	918.032	1.09E-03	1.77E-04	2.67E+04	1.09E+00	1.30E-02	1.10084	229.056
686.72	299.96	912.422	1.10E-03	1.77E-04	2.67E+04	1.10E+00	1.32E-02	1.10083	229.056
686.22	299.934	906.873	1.10E-03	1.77E-04	2.67E+04	1.10E+00	1.35E-02	1.10082	229.056
685.72	299.909	901.386	1.11E-03	1.77E-04	2.67E+04	1.10E+00	1.38E-02	1.10082	229.056
685.22	299.884	895.958	1.12E-03	1.77E-04	2.67E+04	1.10E+00	1.40E-02	1.10081	229.055
684.72	299.858	890.589	1.12E-03	1.77E-04	2.67E+04	1.10E+00	1.43E-02	1.10081	229.055
684.22	299.833	885.277	1.13E-03	1.77E-04	2.67E+04	1.10E+00	1.45E-02	1.1008	229.055
683.72	299.807	880.023	1.14E-03	1.78E-04	2.67E+04	1.11E+00	1.48E-02	1.10079	229.055
683.22	299.782	874.824	1.14E-03	1.78E-04	2.67E+04	1.11E+00	1.51E-02	1.10079	229.055
682.72	299.756	869.68	1.15E-03	1.78E-04	2.67E+04	1.11E+00	1.53E-02	1.10078	229.055
682.22	299.731	864.591	1.16E-03	1.78E-04	2.67E+04	1.11E+00	1.56E-02	1.10078	229.055
681.72	299.705	859.555	1.16E-03	1.78E-04	2.67E+04	1.11E+00	1.58E-02	1.10077	229.055
681.22	299.68	854.571	1.17E-03	1.78E-04	2.66E+04	1.11E+00	1.61E-02	1.10077	229.054
680.72	299.654	849.639	1.18E-03	1.78E-04	2.66E+04	1.12E+00	1.64E-02	1.10076	229.054
680.22	299.629	844.758	1.18E-03	1.78E-04	2.66E+04	1.12E+00	1.66E-02	1.10075	229.054
679.72	299.603	839.927	1.19E-03	1.78E-04	2.66E+04	1.12E+00	1.69E-02	1.10075	229.054
679.22	299.578	835.145	1.20E-03	1.78E-04	2.66E+04	1.12E+00	1.71E-02	1.10074	229.054
678.72	299.552	830.412	1.20E-03	1.78E-04	2.66E+04	1.12E+00	1.74E-02	1.10074	229.054
678.22	299.527	825.726	1.21E-03	1.78E-04	2.66E+04	1.12E+00	1.76E-02	1.10073	229.054
677.72	299.501	821.088	1.22E-03	1.78E-04	2.66E+04	1.12E+00	1.79E-02	1.10073	229.054
677.22	299.475	816.496	1.22E-03	1.78E-04	2.66E+04	1.13E+00	1.82E-02	1.10072	229.053
676.72	299.45	811.95	1.23E-03	1.78E-04	2.66E+04	1.13E+00	1.84E-02	1.10071	229.053
676.22	299.424	807.449	1.24E-03	1.78E-04	2.66E+04	1.13E+00	1.87E-02	1.10071	229.053
675.72	299.398	802.992	1.25E-03	1.78E-04	2.66E+04	1.13E+00	1.89E-02	1.1007	229.053
675.22	299.373	798.579	1.25E-03	1.78E-04	2.66E+04	1.13E+00	1.92E-02	1.1007	229.053
674.72	299.347	794.208	1.26E-03	1.78E-04	2.66E+04	1.13E+00	1.95E-02	1.10069	229.053
674.22	299.321	789.881	1.27E-03	1.78E-04	2.66E+04	1.13E+00	1.97E-02	1.10069	229.053
673.72	299.295	785.595	1.27E-03	1.78E-04	2.66E+04	1.14E+00	2.00E-02	1.10068	229.052
673.22	299.27	781.35	1.28E-03	1.78E-04	2.65E+04	1.14E+00	2.02E-02	1.10068	229.052
672.72	299.244	777.146	1.29E-03	1.78E-04	2.65E+04	1.14E+00	2.05E-02	1.10067	229.052
672.22	299.218	772.982	1.29E-03	1.78E-04	2.65E+04	1.14E+00	2.07E-02	1.10067	229.052
671.72	299.192	768.857	1.30E-03	1.79E-04	2.65E+04	1.14E+00	2.10E-02	1.10066	229.052
671.22	299.166	764.771	1.31E-03	1.79E-04	2.65E+04	1.14E+00	2.13E-02	1.10066	229.052
670.72	299.14	760.724	1.31E-03	1.79E-04	2.65E+04	1.14E+00	2.15E-02	1.10065	229.052
670.22	299.115	756.714	1.32E-03	1.79E-04	2.65E+04	1.15E+00	2.18E-02	1.10065	229.051
669.72	299.089	752.742	1.33E-03	1.79E-04	2.65E+04	1.15E+00	2.20E-02	1.10064	229.051
669.22	299.063	748.806	1.34E-03	1.79E-04	2.65E+04	1.15E+00	2.23E-02	1.10064	229.051
668.72	299.037	744.907	1.34E-03	1.79E-04	2.65E+04	1.15E+00	2.25E-02	1.10063	229.051
668.22	299.011	741.043	1.35E-03	1.79E-04	2.65E+04	1.15E+00	2.28E-02	1.10063	229.051
667.72	298.985	737.215	1.36E-03	1.79E-04	2.65E+04	1.15E+00	2.31E-02	1.10062	229.051
667.22	298.959	733.421	1.36E-03	1.79E-04	2.65E+04	1.15E+00	2.33E-02	1.10062	229.05
666.72	298.933	729.662	1.37E-03	1.79E-04	2.65E+04	1.15E+00	2.36E-02	1.10061	229.05
666.22	298.907	725.937	1.38E-03	1.79E-04	2.65E+04	1.16E+00	2.38E-02	1.10061	229.05
665.22	298.855	718.585	1.39E-03	1.79E-04	2.64E+04	1.16E+00	2.43E-02	1.1006	229.05
664.72	298.829	714.959	1.40E-03	1.79E-04	2.64E+04	1.16E+00	2.46E-02	1.10059	229.05
664.22	298.803	711.364	1.41E-03	1.79E-04	2.64E+04	1.16E+00	2.49E-02	1.10059	229.049
663.72	298.777	707.801	1.41E-03	1.79E-04	2.64E+04	1.16E+00	2.51E-02	1.10058	229.049
663.22	298.751	704.269	1.42E-03	1.79E-04	2.64E+04	1.16E+00	2.54E-02	1.10058	229.049
662.72	298.724	700.768	1.43E-03	1.79E-04	2.64E+04	1.17E+00	2.56E-02	1.10057	229.049

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
662.22	298.698	697.298	1.43E-03	1.79E-04	2.64E+04	1.17E+00	2.59E-02	1.10057	229.049
661.72	298.672	693.857	1.44E-03	1.79E-04	2.64E+04	1.17E+00	2.61E-02	1.10057	229.049
661.22	298.646	690.446	1.45E-03	1.79E-04	2.64E+04	1.17E+00	2.64E-02	1.10056	229.048
660.22	298.593	683.711	1.46E-03	1.79E-04	2.64E+04	1.17E+00	2.69E-02	1.10055	229.048
659.72	298.567	680.387	1.47E-03	1.80E-04	2.64E+04	1.17E+00	2.72E-02	1.10055	229.048
659.22	298.541	677.091	1.48E-03	1.80E-04	2.64E+04	1.17E+00	2.74E-02	1.10054	229.048
658.72	298.515	673.822	1.48E-03	1.80E-04	2.64E+04	1.17E+00	2.77E-02	1.10054	229.048
658.22	298.488	670.581	1.49E-03	1.80E-04	2.64E+04	1.18E+00	2.79E-02	1.10054	229.047
657.72	298.462	667.367	1.50E-03	1.80E-04	2.64E+04	1.18E+00	2.82E-02	1.10053	229.047
657.22	298.436	664.18	1.51E-03	1.80E-04	2.64E+04	1.18E+00	2.84E-02	1.10053	229.047
656.72	298.409	661.019	1.51E-03	1.80E-04	2.63E+04	1.18E+00	2.87E-02	1.10052	229.047
656.22	298.383	657.884	1.52E-03	1.80E-04	2.63E+04	1.18E+00	2.90E-02	1.10052	229.047
655.72	298.357	654.775	1.53E-03	1.80E-04	2.63E+04	1.18E+00	2.92E-02	1.10052	229.047
655.22	298.33	651.692	1.53E-03	1.80E-04	2.63E+04	1.18E+00	2.95E-02	1.10051	229.046
654.72	298.304	648.633	1.54E-03	1.80E-04	2.63E+04	1.18E+00	2.97E-02	1.10051	229.046
654.22	298.277	645.599	1.55E-03	1.80E-04	2.63E+04	1.19E+00	3.00E-02	1.1005	229.046
653.72	298.251	642.59	1.56E-03	1.80E-04	2.63E+04	1.19E+00	3.02E-02	1.1005	229.046
653.22	298.224	639.605	1.56E-03	1.80E-04	2.63E+04	1.19E+00	3.05E-02	1.1005	229.046
652.72	298.198	636.644	1.57E-03	1.80E-04	2.63E+04	1.19E+00	3.07E-02	1.10049	229.045
652.22	298.171	633.707	1.58E-03	1.80E-04	2.63E+04	1.19E+00	3.10E-02	1.10049	229.045
651.72	298.145	630.793	1.59E-03	1.80E-04	2.63E+04	1.19E+00	3.12E-02	1.10048	229.045
651.22	298.118	627.902	1.59E-03	1.80E-04	2.63E+04	1.19E+00	3.15E-02	1.10048	229.045
650.72	298.092	625.033	1.60E-03	1.80E-04	2.63E+04	1.19E+00	3.18E-02	1.10048	229.045
650.22	298.065	622.188	1.61E-03	1.80E-04	2.63E+04	1.19E+00	3.20E-02	1.10047	229.045
649.72	298.039	619.364	1.61E-03	1.80E-04	2.63E+04	1.20E+00	3.23E-02	1.10047	229.044
649.22	298.012	616.563	1.62E-03	1.80E-04	2.63E+04	1.20E+00	3.25E-02	1.10047	229.044
648.72	297.985	613.783	1.63E-03	1.80E-04	2.63E+04	1.20E+00	3.28E-02	1.10046	229.044
648.22	297.959	611.025	1.64E-03	1.80E-04	2.62E+04	1.20E+00	3.30E-02	1.10046	229.044
647.72	297.932	608.288	1.64E-03	1.81E-04	2.62E+04	1.20E+00	3.33E-02	1.10045	229.044
647.22	297.905	605.572	1.65E-03	1.81E-04	2.62E+04	1.20E+00	3.35E-02	1.10045	229.043
646.72	297.879	602.877	1.66E-03	1.81E-04	2.62E+04	1.20E+00	3.38E-02	1.10045	229.043
646.22	297.852	600.202	1.67E-03	1.81E-04	2.62E+04	1.20E+00	3.40E-02	1.10044	229.043
645.72	297.825	597.548	1.67E-03	1.81E-04	2.62E+04	1.20E+00	3.43E-02	1.10044	229.043
645.22	297.799	594.913	1.68E-03	1.81E-04	2.62E+04	1.20E+00	3.46E-02	1.10044	229.043
644.72	297.772	592.299	1.69E-03	1.81E-04	2.62E+04	1.21E+00	3.48E-02	1.10043	229.042
644.22	297.745	589.704	1.70E-03	1.81E-04	2.62E+04	1.21E+00	3.51E-02	1.10043	229.042
643.72	297.718	587.128	1.70E-03	1.81E-04	2.62E+04	1.21E+00	3.53E-02	1.10043	229.042
643.22	297.691	584.572	1.71E-03	1.81E-04	2.62E+04	1.21E+00	3.56E-02	1.10042	229.042
642.72	297.664	582.034	1.72E-03	1.81E-04	2.62E+04	1.21E+00	3.58E-02	1.10042	229.041
642.22	297.638	579.515	1.73E-03	1.81E-04	2.62E+04	1.21E+00	3.61E-02	1.10042	229.041
641.72	297.611	577.015	1.73E-03	1.81E-04	2.62E+04	1.21E+00	3.63E-02	1.10042	229.041
641.22	297.584	574.533	1.74E-03	1.81E-04	2.62E+04	1.21E+00	3.66E-02	1.10041	229.041
640.72	297.557	572.069	1.75E-03	1.81E-04	2.62E+04	1.21E+00	3.68E-02	1.10041	229.041
640.22	297.53	569.624	1.76E-03	1.81E-04	2.62E+04	1.22E+00	3.71E-02	1.10041	229.04
639.22	297.476	564.785	1.77E-03	1.81E-04	2.61E+04	1.22E+00	3.76E-02	1.1004	229.04
638.72	297.449	562.392	1.78E-03	1.81E-04	2.61E+04	1.22E+00	3.78E-02	1.1004	229.04
638.22	297.422	560.015	1.79E-03	1.81E-04	2.61E+04	1.22E+00	3.81E-02	1.10039	229.04
637.72	297.395	557.656	1.79E-03	1.81E-04	2.61E+04	1.22E+00	3.83E-02	1.10039	229.039
637.22	297.368	555.314	1.80E-03	1.81E-04	2.61E+04	1.22E+00	3.86E-02	1.10039	229.039
636.72	297.341	552.988	1.81E-03	1.81E-04	2.61E+04	1.22E+00	3.88E-02	1.10039	229.039
636.22	297.314	550.679	1.82E-03	1.81E-04	2.61E+04	1.22E+00	3.91E-02	1.10038	229.039
635.72	297.287	548.386	1.82E-03	1.81E-04	2.61E+04	1.22E+00	3.94E-02	1.10038	229.038

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
634.72	297.232	543.848	1.84E-03	1.82E-04	2.61E+04	1.23E+00	3.99E-02	1.10038	229.038
634.22	297.205	541.602	1.85E-03	1.82E-04	2.61E+04	1.23E+00	4.01E-02	1.10037	229.038
633.72	297.178	539.372	1.85E-03	1.82E-04	2.61E+04	1.23E+00	4.04E-02	1.10037	229.038
632.72	297.123	534.959	1.87E-03	1.82E-04	2.61E+04	1.23E+00	4.09E-02	1.10036	229.037
632.22	297.096	532.775	1.88E-03	1.82E-04	2.61E+04	1.23E+00	4.11E-02	1.10036	229.037
631.72	297.069	530.606	1.88E-03	1.82E-04	2.61E+04	1.23E+00	4.14E-02	1.10036	229.037
631.22	297.042	528.452	1.89E-03	1.82E-04	2.60E+04	1.23E+00	4.16E-02	1.10036	229.036
630.72	297.014	526.312	1.90E-03	1.82E-04	2.60E+04	1.23E+00	4.19E-02	1.10035	229.036
630.22	296.987	524.187	1.91E-03	1.82E-04	2.60E+04	1.23E+00	4.21E-02	1.10035	229.036
629.72	296.96	522.076	1.92E-03	1.82E-04	2.60E+04	1.23E+00	4.24E-02	1.10035	229.036
629.22	296.932	519.979	1.92E-03	1.82E-04	2.60E+04	1.24E+00	4.26E-02	1.10035	229.035
628.72	296.905	517.897	1.93E-03	1.82E-04	2.60E+04	1.24E+00	4.29E-02	1.10035	229.035
628.22	296.878	515.828	1.94E-03	1.82E-04	2.60E+04	1.24E+00	4.31E-02	1.10034	229.035
627.72	296.85	513.773	1.95E-03	1.82E-04	2.60E+04	1.24E+00	4.34E-02	1.10034	229.035
627.22	296.823	511.732	1.95E-03	1.82E-04	2.60E+04	1.24E+00	4.36E-02	1.10034	229.034
626.72	296.795	509.704	1.96E-03	1.82E-04	2.60E+04	1.24E+00	4.39E-02	1.10034	229.034
626.22	296.768	507.69	1.97E-03	1.82E-04	2.60E+04	1.24E+00	4.41E-02	1.10033	229.034
625.72	296.74	505.689	1.98E-03	1.82E-04	2.60E+04	1.24E+00	4.44E-02	1.10033	229.034
625.22	296.713	503.701	1.99E-03	1.82E-04	2.60E+04	1.24E+00	4.46E-02	1.10033	229.033
624.72	296.685	501.726	1.99E-03	1.82E-04	2.60E+04	1.24E+00	4.49E-02	1.10033	229.033
624.22	296.658	499.763	2.00E-03	1.82E-04	2.60E+04	1.24E+00	4.51E-02	1.10033	229.033
623.72	296.63	497.814	2.01E-03	1.82E-04	2.60E+04	1.25E+00	4.54E-02	1.10032	229.033
623.22	296.602	495.877	2.02E-03	1.82E-04	2.60E+04	1.25E+00	4.56E-02	1.10032	229.032
622.72	296.575	493.952	2.02E-03	1.82E-04	2.60E+04	1.25E+00	4.59E-02	1.10032	229.032
622.22	296.547	492.04	2.03E-03	1.83E-04	2.59E+04	1.25E+00	4.61E-02	1.10032	229.032
621.72	296.52	490.14	2.04E-03	1.83E-04	2.59E+04	1.25E+00	4.64E-02	1.10032	229.032
621.22	296.492	488.253	2.05E-03	1.83E-04	2.59E+04	1.25E+00	4.66E-02	1.10032	229.031
620.72	296.464	486.377	2.06E-03	1.83E-04	2.59E+04	1.25E+00	4.69E-02	1.10031	229.031
620.22	296.437	484.513	2.06E-03	1.83E-04	2.59E+04	1.25E+00	4.71E-02	1.10031	229.031
619.72	296.409	482.661	2.07E-03	1.83E-04	2.59E+04	1.25E+00	4.74E-02	1.10031	229.03
619.22	296.381	480.82	2.08E-03	1.83E-04	2.59E+04	1.25E+00	4.76E-02	1.10031	229.03
618.72	296.353	478.991	2.09E-03	1.83E-04	2.59E+04	1.25E+00	4.79E-02	1.10031	229.03
618.22	296.325	477.174	2.10E-03	1.83E-04	2.59E+04	1.25E+00	4.81E-02	1.10031	229.03
617.72	296.298	475.368	2.10E-03	1.83E-04	2.59E+04	1.26E+00	4.84E-02	1.1003	229.029
617.22	296.27	473.573	2.11E-03	1.83E-04	2.59E+04	1.26E+00	4.86E-02	1.1003	229.029
616.72	296.242	471.789	2.12E-03	1.83E-04	2.59E+04	1.26E+00	4.89E-02	1.1003	229.029
616.22	296.214	470.016	2.13E-03	1.83E-04	2.59E+04	1.26E+00	4.91E-02	1.1003	229.029
615.72	296.186	468.254	2.14E-03	1.83E-04	2.59E+04	1.26E+00	4.94E-02	1.1003	229.028
615.22	296.158	466.503	2.14E-03	1.83E-04	2.59E+04	1.26E+00	4.96E-02	1.1003	229.028
614.72	296.13	464.763	2.15E-03	1.83E-04	2.59E+04	1.26E+00	4.99E-02	1.10029	229.028
614.22	296.102	463.033	2.16E-03	1.83E-04	2.59E+04	1.26E+00	5.01E-02	1.10029	229.027
613.22	296.046	459.605	2.18E-03	1.83E-04	2.58E+04	1.26E+00	5.06E-02	1.10029	229.027
612.72	296.018	457.906	2.18E-03	1.83E-04	2.58E+04	1.26E+00	5.08E-02	1.10029	229.027
612.22	295.99	456.218	2.19E-03	1.83E-04	2.58E+04	1.26E+00	5.11E-02	1.10029	229.026
611.72	295.962	454.539	2.20E-03	1.83E-04	2.58E+04	1.26E+00	5.13E-02	1.10029	229.026
611.22	295.934	452.871	2.21E-03	1.83E-04	2.58E+04	1.27E+00	5.16E-02	1.10029	229.026
610.72	295.906	451.213	2.22E-03	1.83E-04	2.58E+04	1.27E+00	5.18E-02	1.10028	229.025
610.22	295.878	449.565	2.22E-03	1.83E-04	2.58E+04	1.27E+00	5.21E-02	1.10028	229.025
609.72	295.85	447.926	2.23E-03	1.83E-04	2.58E+04	1.27E+00	5.23E-02	1.10028	229.025
609.22	295.822	446.297	2.24E-03	1.84E-04	2.58E+04	1.27E+00	5.26E-02	1.10028	229.025
608.72	295.794	444.678	2.25E-03	1.84E-04	2.58E+04	1.27E+00	5.28E-02	1.10028	229.024
608.22	295.765	443.068	2.26E-03	1.84E-04	2.58E+04	1.27E+00	5.31E-02	1.10028	229.024

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
607.22	295.709	439.877	2.27E-03	1.84E-04	2.58E+04	1.27E+00	5.36E-02	1.10028	229.023
606.72	295.681	438.295	2.28E-03	1.84E-04	2.58E+04	1.27E+00	5.38E-02	1.10028	229.023
606.22	295.652	436.723	2.29E-03	1.84E-04	2.58E+04	1.27E+00	5.41E-02	1.10028	229.023
605.22	295.596	433.605	2.31E-03	1.84E-04	2.58E+04	1.27E+00	5.46E-02	1.10027	229.022
604.72	295.568	432.059	2.31E-03	1.84E-04	2.58E+04	1.28E+00	5.48E-02	1.10027	229.022
604.22	295.539	430.523	2.32E-03	1.84E-04	2.58E+04	1.28E+00	5.51E-02	1.10027	229.021
603.72	295.511	428.995	2.33E-03	1.84E-04	2.57E+04	1.28E+00	5.53E-02	1.10027	229.021
603.22	295.482	427.476	2.34E-03	1.84E-04	2.57E+04	1.28E+00	5.55E-02	1.10027	229.021
602.72	295.454	425.965	2.35E-03	1.84E-04	2.57E+04	1.28E+00	5.58E-02	1.10027	229.021
602.22	295.426	424.464	2.36E-03	1.84E-04	2.57E+04	1.28E+00	5.60E-02	1.10027	229.02
601.72	295.397	422.97	2.36E-03	1.84E-04	2.57E+04	1.28E+00	5.63E-02	1.10027	229.02
601.22	295.369	421.485	2.37E-03	1.84E-04	2.57E+04	1.28E+00	5.65E-02	1.10027	229.02
600.72	295.34	420.009	2.38E-03	1.84E-04	2.57E+04	1.28E+00	5.68E-02	1.10027	229.019
600.22	295.312	418.54	2.39E-03	1.84E-04	2.57E+04	1.28E+00	5.70E-02	1.10027	229.019
599.72	295.283	417.08	2.40E-03	1.84E-04	2.57E+04	1.28E+00	5.73E-02	1.10027	229.019
599.22	295.254	415.628	2.41E-03	1.84E-04	2.57E+04	1.28E+00	5.75E-02	1.10027	229.018
598.72	295.226	414.184	2.41E-03	1.84E-04	2.57E+04	1.28E+00	5.78E-02	1.10027	229.018
598.22	295.197	412.748	2.42E-03	1.84E-04	2.57E+04	1.28E+00	5.80E-02	1.10027	229.018
597.72	295.169	411.32	2.43E-03	1.84E-04	2.57E+04	1.29E+00	5.83E-02	1.10027	229.017
597.22	295.14	409.9	2.44E-03	1.84E-04	2.57E+04	1.29E+00	5.85E-02	1.10026	229.017
596.72	295.111	408.488	2.45E-03	1.84E-04	2.57E+04	1.29E+00	5.87E-02	1.10026	229.017
596.22	295.083	407.083	2.46E-03	1.85E-04	2.57E+04	1.29E+00	5.90E-02	1.10026	229.016
595.72	295.054	405.686	2.47E-03	1.85E-04	2.57E+04	1.29E+00	5.92E-02	1.10026	229.016
595.22	295.025	404.297	2.47E-03	1.85E-04	2.57E+04	1.29E+00	5.95E-02	1.10026	229.016
594.72	294.996	402.915	2.48E-03	1.85E-04	2.57E+04	1.29E+00	5.97E-02	1.10026	229.015
594.22	294.968	401.541	2.49E-03	1.85E-04	2.56E+04	1.29E+00	6.00E-02	1.10026	229.015
593.72	294.939	400.174	2.50E-03	1.85E-04	2.56E+04	1.29E+00	6.02E-02	1.10026	229.015
593.22	294.91	398.814	2.51E-03	1.85E-04	2.56E+04	1.29E+00	6.05E-02	1.10026	229.014
592.72	294.881	397.462	2.52E-03	1.85E-04	2.56E+04	1.29E+00	6.07E-02	1.10026	229.014
592.22	294.852	396.117	2.52E-03	1.85E-04	2.56E+04	1.29E+00	6.10E-02	1.10026	229.013
591.72	294.823	394.78	2.53E-03	1.85E-04	2.56E+04	1.29E+00	6.12E-02	1.10026	229.013
591.22	294.794	393.449	2.54E-03	1.85E-04	2.56E+04	1.29E+00	6.14E-02	1.10026	229.013
590.72	294.766	392.125	2.55E-03	1.85E-04	2.56E+04	1.29E+00	6.17E-02	1.10026	229.012
590.22	294.737	390.809	2.56E-03	1.85E-04	2.56E+04	1.30E+00	6.19E-02	1.10026	229.012
589.72	294.708	389.499	2.57E-03	1.85E-04	2.56E+04	1.30E+00	6.22E-02	1.10026	229.012
589.22	294.679	388.197	2.58E-03	1.85E-04	2.56E+04	1.30E+00	6.24E-02	1.10026	229.011
588.72	294.65	386.901	2.58E-03	1.85E-04	2.56E+04	1.30E+00	6.27E-02	1.10026	229.011
587.72	294.591	384.329	2.60E-03	1.85E-04	2.56E+04	1.30E+00	6.32E-02	1.10026	229.01
586.72	294.533	381.785	2.62E-03	1.85E-04	2.56E+04	1.30E+00	6.36E-02	1.10026	229.009
586.22	294.504	380.522	2.63E-03	1.85E-04	2.56E+04	1.30E+00	6.39E-02	1.10027	229.009
585.72	294.475	379.266	2.64E-03	1.85E-04	2.56E+04	1.30E+00	6.41E-02	1.10027	229.009
585.22	294.446	378.017	2.65E-03	1.85E-04	2.56E+04	1.30E+00	6.44E-02	1.10027	229.008
584.72	294.417	376.774	2.65E-03	1.85E-04	2.56E+04	1.30E+00	6.46E-02	1.10027	229.008
584.22	294.387	375.537	2.66E-03	1.85E-04	2.55E+04	1.30E+00	6.49E-02	1.10027	229.008
583.72	294.358	374.307	2.67E-03	1.85E-04	2.55E+04	1.30E+00	6.51E-02	1.10027	229.007
583.22	294.329	373.083	2.68E-03	1.85E-04	2.55E+04	1.30E+00	6.53E-02	1.10027	229.007
582.72	294.3	371.865	2.69E-03	1.86E-04	2.55E+04	1.30E+00	6.56E-02	1.10027	229.006
582.22	294.27	370.654	2.70E-03	1.86E-04	2.55E+04	1.31E+00	6.58E-02	1.10027	229.006
581.72	294.241	369.448	2.71E-03	1.86E-04	2.55E+04	1.31E+00	6.61E-02	1.10027	229.006
581.22	294.212	368.249	2.72E-03	1.86E-04	2.55E+04	1.31E+00	6.63E-02	1.10027	229.005
580.72	294.182	367.056	2.72E-03	1.86E-04	2.55E+04	1.31E+00	6.66E-02	1.10027	229.005
580.22	294.153	365.868	2.73E-03	1.86E-04	2.55E+04	1.31E+00	6.68E-02	1.10027	229.004

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
579.72	294.124	364.687	2.74E-03	1.86E-04	2.55E+04	1.31E+00	6.70E-02	1.10027	229.004
579.22	294.094	363.512	2.75E-03	1.86E-04	2.55E+04	1.31E+00	6.73E-02	1.10027	229.004
578.72	294.065	362.342	2.76E-03	1.86E-04	2.55E+04	1.31E+00	6.75E-02	1.10027	229.003
577.72	294.006	360.02	2.78E-03	1.86E-04	2.55E+04	1.31E+00	6.80E-02	1.10027	229.002
577.22	293.976	358.868	2.79E-03	1.86E-04	2.55E+04	1.31E+00	6.83E-02	1.10028	229.002
576.72	293.947	357.721	2.80E-03	1.86E-04	2.55E+04	1.31E+00	6.85E-02	1.10028	229.002
576.22	293.917	356.58	2.80E-03	1.86E-04	2.55E+04	1.31E+00	6.87E-02	1.10028	229.001
575.72	293.887	355.445	2.81E-03	1.86E-04	2.55E+04	1.31E+00	6.90E-02	1.10028	229.001
575.22	293.858	354.315	2.82E-03	1.86E-04	2.55E+04	1.31E+00	6.92E-02	1.10028	229
574.72	293.828	353.191	2.83E-03	1.86E-04	2.55E+04	1.31E+00	6.95E-02	1.10028	229
574.22	293.798	352.072	2.84E-03	1.86E-04	2.54E+04	1.31E+00	6.97E-02	1.10028	229
573.72	293.769	350.959	2.85E-03	1.86E-04	2.54E+04	1.32E+00	7.00E-02	1.10028	228.999
573.22	293.739	349.851	2.86E-03	1.86E-04	2.54E+04	1.32E+00	7.02E-02	1.10028	228.999
572.72	293.709	348.748	2.87E-03	1.86E-04	2.54E+04	1.32E+00	7.04E-02	1.10028	228.998
572.22	293.68	347.651	2.88E-03	1.86E-04	2.54E+04	1.32E+00	7.07E-02	1.10029	228.998
571.72	293.65	346.559	2.89E-03	1.86E-04	2.54E+04	1.32E+00	7.09E-02	1.10029	228.997
571.22	293.62	345.472	2.89E-03	1.86E-04	2.54E+04	1.32E+00	7.12E-02	1.10029	228.997
570.72	293.59	344.391	2.90E-03	1.86E-04	2.54E+04	1.32E+00	7.14E-02	1.10029	228.997
570.22	293.56	343.314	2.91E-03	1.86E-04	2.54E+04	1.32E+00	7.16E-02	1.10029	228.996
569.72	293.53	342.243	2.92E-03	1.86E-04	2.54E+04	1.32E+00	7.19E-02	1.10029	228.996
569.22	293.501	341.177	2.93E-03	1.86E-04	2.54E+04	1.32E+00	7.21E-02	1.10029	228.995
568.72	293.471	340.116	2.94E-03	1.87E-04	2.54E+04	1.32E+00	7.24E-02	1.10029	228.995
568.22	293.441	339.059	2.95E-03	1.87E-04	2.54E+04	1.32E+00	7.26E-02	1.1003	228.994
567.72	293.411	338.008	2.96E-03	1.87E-04	2.54E+04	1.32E+00	7.28E-02	1.1003	228.994
567.22	293.381	336.962	2.97E-03	1.87E-04	2.54E+04	1.32E+00	7.31E-02	1.1003	228.994
566.72	293.351	335.921	2.98E-03	1.87E-04	2.54E+04	1.32E+00	7.33E-02	1.1003	228.993
566.22	293.321	334.884	2.99E-03	1.87E-04	2.54E+04	1.32E+00	7.36E-02	1.1003	228.993
565.72	293.291	333.853	3.00E-03	1.87E-04	2.54E+04	1.32E+00	7.38E-02	1.1003	228.992
565.22	293.261	332.826	3.00E-03	1.87E-04	2.54E+04	1.32E+00	7.41E-02	1.1003	228.992
564.72	293.23	331.804	3.01E-03	1.87E-04	2.54E+04	1.33E+00	7.43E-02	1.10031	228.991
564.22	293.2	330.787	3.02E-03	1.87E-04	2.53E+04	1.33E+00	7.45E-02	1.10031	228.991
563.72	293.17	329.774	3.03E-03	1.87E-04	2.53E+04	1.33E+00	7.48E-02	1.10031	228.99
563.22	293.14	328.767	3.04E-03	1.87E-04	2.53E+04	1.33E+00	7.50E-02	1.10031	228.99
562.72	293.11	327.763	3.05E-03	1.87E-04	2.53E+04	1.33E+00	7.53E-02	1.10031	228.989
562.22	293.08	326.765	3.06E-03	1.87E-04	2.53E+04	1.33E+00	7.55E-02	1.10031	228.989
561.72	293.049	325.771	3.07E-03	1.87E-04	2.53E+04	1.33E+00	7.57E-02	1.10031	228.988
560.72	292.989	323.796	3.09E-03	1.87E-04	2.53E+04	1.33E+00	7.62E-02	1.10032	228.988
560.22	292.958	322.816	3.10E-03	1.87E-04	2.53E+04	1.33E+00	7.64E-02	1.10032	228.987
559.72	292.928	321.84	3.11E-03	1.87E-04	2.53E+04	1.33E+00	7.67E-02	1.10032	228.987
559.22	292.898	320.868	3.12E-03	1.87E-04	2.53E+04	1.33E+00	7.69E-02	1.10032	228.986
558.72	292.867	319.901	3.13E-03	1.87E-04	2.53E+04	1.33E+00	7.72E-02	1.10033	228.986
558.22	292.837	318.938	3.14E-03	1.87E-04	2.53E+04	1.33E+00	7.74E-02	1.10033	228.985
557.72	292.806	317.979	3.14E-03	1.87E-04	2.53E+04	1.33E+00	7.76E-02	1.10033	228.985
557.22	292.776	317.025	3.15E-03	1.87E-04	2.53E+04	1.33E+00	7.79E-02	1.10033	228.984
556.72	292.746	316.075	3.16E-03	1.87E-04	2.53E+04	1.33E+00	7.81E-02	1.10033	228.984
556.22	292.715	315.129	3.17E-03	1.87E-04	2.53E+04	1.33E+00	7.84E-02	1.10033	228.983
555.72	292.684	314.188	3.18E-03	1.87E-04	2.53E+04	1.33E+00	7.86E-02	1.10034	228.983
555.22	292.654	313.251	3.19E-03	1.87E-04	2.53E+04	1.33E+00	7.88E-02	1.10034	228.982
554.72	292.623	312.317	3.20E-03	1.88E-04	2.53E+04	1.34E+00	7.91E-02	1.10034	228.982
554.22	292.593	311.388	3.21E-03	1.88E-04	2.53E+04	1.34E+00	7.93E-02	1.10034	228.981
553.72	292.562	310.463	3.22E-03	1.88E-04	2.52E+04	1.34E+00	7.96E-02	1.10035	228.981
553.22	292.531	309.543	3.23E-03	1.88E-04	2.52E+04	1.34E+00	7.98E-02	1.10035	228.98

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
552.72	292.501	308.626	3.24E-03	1.88E-04	2.52E+04	1.34E+00	8.00E-02	1.10035	228.98
552.22	292.47	307.713	3.25E-03	1.88E-04	2.52E+04	1.34E+00	8.03E-02	1.10035	228.979
551.72	292.439	306.804	3.26E-03	1.88E-04	2.52E+04	1.34E+00	8.05E-02	1.10035	228.979
551.22	292.409	305.899	3.27E-03	1.88E-04	2.52E+04	1.34E+00	8.07E-02	1.10036	228.978
550.22	292.347	304.101	3.29E-03	1.88E-04	2.52E+04	1.34E+00	8.12E-02	1.10036	228.977
549.72	292.316	303.208	3.30E-03	1.88E-04	2.52E+04	1.34E+00	8.15E-02	1.10036	228.977
549.22	292.285	302.319	3.31E-03	1.88E-04	2.52E+04	1.34E+00	8.17E-02	1.10037	228.976
548.72	292.254	301.434	3.32E-03	1.88E-04	2.52E+04	1.34E+00	8.19E-02	1.10037	228.975
548.22	292.224	300.552	3.33E-03	1.88E-04	2.52E+04	1.34E+00	8.22E-02	1.10037	228.975
547.72	292.193	299.674	3.34E-03	1.88E-04	2.52E+04	1.34E+00	8.24E-02	1.10037	228.974
547.22	292.162	298.8	3.35E-03	1.88E-04	2.52E+04	1.34E+00	8.26E-02	1.10037	228.974
546.72	292.131	297.93	3.36E-03	1.88E-04	2.52E+04	1.34E+00	8.29E-02	1.10038	228.973
546.22	292.1	297.063	3.37E-03	1.88E-04	2.52E+04	1.34E+00	8.31E-02	1.10038	228.973
545.72	292.069	296.2	3.38E-03	1.88E-04	2.52E+04	1.34E+00	8.34E-02	1.10038	228.972
545.22	292.038	295.341	3.39E-03	1.88E-04	2.52E+04	1.34E+00	8.36E-02	1.10038	228.972
544.72	292.007	294.485	3.40E-03	1.88E-04	2.52E+04	1.34E+00	8.38E-02	1.10039	228.971
544.22	291.975	293.633	3.41E-03	1.88E-04	2.52E+04	1.35E+00	8.41E-02	1.10039	228.971
543.72	291.944	292.785	3.42E-03	1.88E-04	2.52E+04	1.35E+00	8.43E-02	1.10039	228.97
543.22	291.913	291.94	3.43E-03	1.88E-04	2.52E+04	1.35E+00	8.45E-02	1.1004	228.97
542.72	291.882	291.099	3.44E-03	1.88E-04	2.51E+04	1.35E+00	8.48E-02	1.1004	228.969
542.22	291.851	290.261	3.45E-03	1.88E-04	2.51E+04	1.35E+00	8.50E-02	1.1004	228.968
541.72	291.819	289.427	3.46E-03	1.88E-04	2.51E+04	1.35E+00	8.53E-02	1.1004	228.968
541.22	291.788	288.596	3.47E-03	1.88E-04	2.51E+04	1.35E+00	8.55E-02	1.10041	228.967
540.72	291.757	287.769	3.48E-03	1.88E-04	2.51E+04	1.35E+00	8.57E-02	1.10041	228.967
540.22	291.726	286.945	3.49E-03	1.89E-04	2.51E+04	1.35E+00	8.60E-02	1.10041	228.966
539.72	291.694	286.125	3.50E-03	1.89E-04	2.51E+04	1.35E+00	8.62E-02	1.10041	228.966
539.22	291.663	285.307	3.51E-03	1.89E-04	2.51E+04	1.35E+00	8.64E-02	1.10042	228.965
538.72	291.632	284.494	3.52E-03	1.89E-04	2.51E+04	1.35E+00	8.67E-02	1.10042	228.964
538.22	291.6	283.683	3.53E-03	1.89E-04	2.51E+04	1.35E+00	8.69E-02	1.10042	228.964
537.72	291.569	282.876	3.54E-03	1.89E-04	2.51E+04	1.35E+00	8.71E-02	1.10043	228.963
537.22	291.537	282.073	3.55E-03	1.89E-04	2.51E+04	1.35E+00	8.74E-02	1.10043	228.963
536.72	291.506	281.272	3.56E-03	1.89E-04	2.51E+04	1.35E+00	8.76E-02	1.10043	228.962
536.22	291.474	280.475	3.57E-03	1.89E-04	2.51E+04	1.35E+00	8.78E-02	1.10043	228.962
535.72	291.443	279.681	3.58E-03	1.89E-04	2.51E+04	1.35E+00	8.81E-02	1.10044	228.961
534.72	291.38	278.103	3.60E-03	1.89E-04	2.51E+04	1.35E+00	8.86E-02	1.10044	228.96
534.22	291.348	277.319	3.61E-03	1.89E-04	2.51E+04	1.35E+00	8.88E-02	1.10045	228.959
533.72	291.316	276.538	3.62E-03	1.89E-04	2.51E+04	1.35E+00	8.90E-02	1.10045	228.959
533.22	291.285	275.76	3.63E-03	1.89E-04	2.51E+04	1.36E+00	8.93E-02	1.10045	228.958
532.72	291.253	274.985	3.64E-03	1.89E-04	2.51E+04	1.36E+00	8.95E-02	1.10046	228.957
532.22	291.221	274.213	3.65E-03	1.89E-04	2.51E+04	1.36E+00	8.97E-02	1.10046	228.957
531.72	291.189	273.445	3.66E-03	1.89E-04	2.50E+04	1.36E+00	9.00E-02	1.10046	228.956
531.22	291.158	272.679	3.67E-03	1.89E-04	2.50E+04	1.36E+00	9.02E-02	1.10047	228.955
530.72	291.126	271.917	3.68E-03	1.89E-04	2.50E+04	1.36E+00	9.04E-02	1.10047	228.955
530.22	291.094	271.157	3.69E-03	1.89E-04	2.50E+04	1.36E+00	9.07E-02	1.10047	228.954
529.72	291.062	270.401	3.70E-03	1.89E-04	2.50E+04	1.36E+00	9.09E-02	1.10048	228.954
529.22	291.03	269.648	3.71E-03	1.89E-04	2.50E+04	1.36E+00	9.11E-02	1.10048	228.953
528.72	290.998	268.897	3.72E-03	1.89E-04	2.50E+04	1.36E+00	9.14E-02	1.10048	228.952
528.22	290.966	268.15	3.73E-03	1.89E-04	2.50E+04	1.36E+00	9.16E-02	1.10049	228.952
527.72	290.935	267.405	3.74E-03	1.89E-04	2.50E+04	1.36E+00	9.18E-02	1.10049	228.951
527.22	290.903	266.663	3.75E-03	1.89E-04	2.50E+04	1.36E+00	9.21E-02	1.10049	228.95
526.72	290.87	265.925	3.76E-03	1.89E-04	2.50E+04	1.36E+00	9.23E-02	1.1005	228.95
526.22	290.838	265.189	3.77E-03	1.89E-04	2.50E+04	1.36E+00	9.25E-02	1.1005	228.949

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
525.72	290.806	264.456	3.78E-03	1.90E-04	2.50E+04	1.36E+00	9.28E-02	1.1005	228.949
525.22	290.774	263.726	3.79E-03	1.90E-04	2.50E+04	1.36E+00	9.30E-02	1.10051	228.948
524.72	290.742	262.999	3.80E-03	1.90E-04	2.50E+04	1.36E+00	9.32E-02	1.10051	228.947
524.22	290.71	262.274	3.81E-03	1.90E-04	2.50E+04	1.36E+00	9.35E-02	1.10051	228.947
523.72	290.678	261.553	3.82E-03	1.90E-04	2.50E+04	1.36E+00	9.37E-02	1.10052	228.946
522.72	290.613	260.118	3.84E-03	1.90E-04	2.50E+04	1.36E+00	9.42E-02	1.10052	228.945
522.22	290.581	259.405	3.86E-03	1.90E-04	2.50E+04	1.36E+00	9.44E-02	1.10053	228.944
521.72	290.549	258.694	3.87E-03	1.90E-04	2.50E+04	1.36E+00	9.46E-02	1.10053	228.943
521.22	290.517	257.986	3.88E-03	1.90E-04	2.50E+04	1.36E+00	9.49E-02	1.10053	228.943
520.72	290.484	257.281	3.89E-03	1.90E-04	2.49E+04	1.37E+00	9.51E-02	1.10054	228.942
520.22	290.452	256.579	3.90E-03	1.90E-04	2.49E+04	1.37E+00	9.53E-02	1.10054	228.941
519.72	290.419	255.879	3.91E-03	1.90E-04	2.49E+04	1.37E+00	9.56E-02	1.10055	228.941
519.22	290.387	255.182	3.92E-03	1.90E-04	2.49E+04	1.37E+00	9.58E-02	1.10055	228.94
518.72	290.355	254.488	3.93E-03	1.90E-04	2.49E+04	1.37E+00	9.60E-02	1.10055	228.939
518.22	290.322	253.796	3.94E-03	1.90E-04	2.49E+04	1.37E+00	9.63E-02	1.10056	228.938
517.72	290.29	253.107	3.95E-03	1.90E-04	2.49E+04	1.37E+00	9.65E-02	1.10056	228.938
517.22	290.257	252.42	3.96E-03	1.90E-04	2.49E+04	1.37E+00	9.67E-02	1.10056	228.937
516.72	290.224	251.736	3.97E-03	1.90E-04	2.49E+04	1.37E+00	9.70E-02	1.10057	228.936
516.22	290.192	251.055	3.98E-03	1.90E-04	2.49E+04	1.37E+00	9.72E-02	1.10057	228.936
515.72	290.159	250.376	3.99E-03	1.90E-04	2.49E+04	1.37E+00	9.74E-02	1.10058	228.935
515.22	290.127	249.699	4.00E-03	1.90E-04	2.49E+04	1.37E+00	9.77E-02	1.10058	228.934
514.72	290.094	249.026	4.02E-03	1.90E-04	2.49E+04	1.37E+00	9.79E-02	1.10058	228.934
514.22	290.061	248.354	4.03E-03	1.90E-04	2.49E+04	1.37E+00	9.81E-02	1.10059	228.933
513.72	290.029	247.686	4.04E-03	1.90E-04	2.49E+04	1.37E+00	9.84E-02	1.10059	228.932
513.22	289.996	247.019	4.05E-03	1.90E-04	2.49E+04	1.37E+00	9.86E-02	1.1006	228.931
512.72	289.963	246.356	4.06E-03	1.90E-04	2.49E+04	1.37E+00	9.88E-02	1.1006	228.931
512.22	289.93	245.694	4.07E-03	1.90E-04	2.49E+04	1.37E+00	9.91E-02	1.1006	228.93
511.72	289.897	245.035	4.08E-03	1.90E-04	2.49E+04	1.37E+00	9.93E-02	1.10061	228.929
511.22	289.864	244.379	4.09E-03	1.90E-04	2.49E+04	1.37E+00	9.95E-02	1.10061	228.928
510.72	289.832	243.725	4.10E-03	1.91E-04	2.49E+04	1.37E+00	9.97E-02	1.10062	228.928
510.22	289.799	243.073	4.11E-03	1.91E-04	2.49E+04	1.37E+00	1.00E-01	1.10062	228.927
509.72	289.766	242.424	4.13E-03	1.91E-04	2.49E+04	1.37E+00	1.00E-01	1.10063	228.926
508.72	289.7	241.133	4.15E-03	1.91E-04	2.48E+04	1.37E+00	1.01E-01	1.10063	228.925
508.22	289.667	240.49	4.16E-03	1.91E-04	2.48E+04	1.37E+00	1.01E-01	1.10064	228.924
507.72	289.634	239.85	4.17E-03	1.91E-04	2.48E+04	1.37E+00	1.01E-01	1.10064	228.923
507.22	289.6	239.213	4.18E-03	1.91E-04	2.48E+04	1.38E+00	1.01E-01	1.10065	228.922
506.72	289.567	238.578	4.19E-03	1.91E-04	2.48E+04	1.38E+00	1.02E-01	1.10065	228.922
506.22	289.534	237.945	4.20E-03	1.91E-04	2.48E+04	1.38E+00	1.02E-01	1.10066	228.921
505.72	289.501	237.314	4.21E-03	1.91E-04	2.48E+04	1.38E+00	1.02E-01	1.10066	228.92
505.22	289.468	236.686	4.23E-03	1.91E-04	2.48E+04	1.38E+00	1.02E-01	1.10066	228.919
504.72	289.434	236.06	4.24E-03	1.91E-04	2.48E+04	1.38E+00	1.03E-01	1.10067	228.919
504.22	289.401	235.436	4.25E-03	1.91E-04	2.48E+04	1.38E+00	1.03E-01	1.10067	228.918
503.72	289.368	234.814	4.26E-03	1.91E-04	2.48E+04	1.38E+00	1.03E-01	1.10068	228.917
503.22	289.335	234.195	4.27E-03	1.91E-04	2.48E+04	1.38E+00	1.03E-01	1.10068	228.916
502.72	289.301	233.578	4.28E-03	1.91E-04	2.48E+04	1.38E+00	1.03E-01	1.10069	228.915
502.22	289.268	232.963	4.29E-03	1.91E-04	2.48E+04	1.38E+00	1.04E-01	1.10069	228.915
501.72	289.234	232.35	4.30E-03	1.91E-04	2.48E+04	1.38E+00	1.04E-01	1.10069	228.914
501.22	289.201	231.739	4.32E-03	1.91E-04	2.48E+04	1.38E+00	1.04E-01	1.1007	228.913
500.72	289.167	231.131	4.33E-03	1.91E-04	2.48E+04	1.38E+00	1.04E-01	1.1007	228.912
500.22	289.134	230.525	4.34E-03	1.91E-04	2.48E+04	1.38E+00	1.05E-01	1.10071	228.911
499.72	289.1	229.92	4.35E-03	1.91E-04	2.48E+04	1.38E+00	1.05E-01	1.10071	228.911
499.22	289.067	229.318	4.36E-03	1.91E-04	2.48E+04	1.38E+00	1.05E-01	1.10072	228.91

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
498.72	289.033	228.719	4.37E-03	1.91E-04	2.48E+04	1.38E+00	1.05E-01	1.10072	228.909
498.22	289	228.121	4.38E-03	1.91E-04	2.48E+04	1.38E+00	1.06E-01	1.10073	228.908
497.72	288.966	227.525	4.40E-03	1.91E-04	2.48E+04	1.38E+00	1.06E-01	1.10073	228.907
497.22	288.932	226.931	4.41E-03	1.91E-04	2.47E+04	1.38E+00	1.06E-01	1.10074	228.907
496.72	288.899	226.34	4.42E-03	1.91E-04	2.47E+04	1.38E+00	1.06E-01	1.10074	228.906
496.22	288.865	225.75	4.43E-03	1.91E-04	2.47E+04	1.38E+00	1.06E-01	1.10075	228.905
495.22	288.797	224.577	4.45E-03	1.92E-04	2.47E+04	1.38E+00	1.07E-01	1.10076	228.903
494.72	288.763	223.994	4.46E-03	1.92E-04	2.47E+04	1.38E+00	1.07E-01	1.10076	228.902
494.22	288.73	223.413	4.48E-03	1.92E-04	2.47E+04	1.38E+00	1.07E-01	1.10076	228.902
493.72	288.696	222.833	4.49E-03	1.92E-04	2.47E+04	1.38E+00	1.08E-01	1.10077	228.901
493.22	288.662	222.256	4.50E-03	1.92E-04	2.47E+04	1.38E+00	1.08E-01	1.10077	228.9
492.72	288.628	221.681	4.51E-03	1.92E-04	2.47E+04	1.38E+00	1.08E-01	1.10078	228.899
492.22	288.594	221.107	4.52E-03	1.92E-04	2.47E+04	1.38E+00	1.08E-01	1.10078	228.898
491.72	288.56	220.536	4.53E-03	1.92E-04	2.47E+04	1.39E+00	1.09E-01	1.10079	228.897
491.22	288.526	219.966	4.55E-03	1.92E-04	2.47E+04	1.39E+00	1.09E-01	1.10079	228.896
490.72	288.492	219.399	4.56E-03	1.92E-04	2.47E+04	1.39E+00	1.09E-01	1.1008	228.895
490.22	288.457	218.833	4.57E-03	1.92E-04	2.47E+04	1.39E+00	1.09E-01	1.1008	228.895
489.72	288.423	218.269	4.58E-03	1.92E-04	2.47E+04	1.39E+00	1.09E-01	1.10081	228.894
489.22	288.389	217.708	4.59E-03	1.92E-04	2.47E+04	1.39E+00	1.10E-01	1.10081	228.893
488.72	288.355	217.148	4.61E-03	1.92E-04	2.47E+04	1.39E+00	1.10E-01	1.10082	228.892
488.22	288.321	216.59	4.62E-03	1.92E-04	2.47E+04	1.39E+00	1.10E-01	1.10082	228.891
487.72	288.286	216.034	4.63E-03	1.92E-04	2.47E+04	1.39E+00	1.10E-01	1.10083	228.89
487.22	288.252	215.48	4.64E-03	1.92E-04	2.47E+04	1.39E+00	1.11E-01	1.10083	228.889
486.72	288.218	214.927	4.65E-03	1.92E-04	2.47E+04	1.39E+00	1.11E-01	1.10084	228.888
486.22	288.183	214.377	4.66E-03	1.92E-04	2.47E+04	1.39E+00	1.11E-01	1.10084	228.887
485.72	288.149	213.828	4.68E-03	1.92E-04	2.47E+04	1.39E+00	1.11E-01	1.10085	228.886
485.22	288.115	213.281	4.69E-03	1.92E-04	2.46E+04	1.39E+00	1.11E-01	1.10085	228.886
484.72	288.08	212.736	4.70E-03	1.92E-04	2.46E+04	1.39E+00	1.12E-01	1.10086	228.885
484.22	288.046	212.193	4.71E-03	1.92E-04	2.46E+04	1.39E+00	1.12E-01	1.10086	228.884
483.72	288.011	211.652	4.72E-03	1.92E-04	2.46E+04	1.39E+00	1.12E-01	1.10087	228.883
482.72	287.942	210.574	4.75E-03	1.92E-04	2.46E+04	1.39E+00	1.13E-01	1.10088	228.881
482.22	287.907	210.039	4.76E-03	1.92E-04	2.46E+04	1.39E+00	1.13E-01	1.10089	228.88
481.72	287.873	209.504	4.77E-03	1.92E-04	2.46E+04	1.39E+00	1.13E-01	1.10089	228.879
481.22	287.838	208.972	4.79E-03	1.92E-04	2.46E+04	1.39E+00	1.13E-01	1.1009	228.878
480.72	287.803	208.441	4.80E-03	1.92E-04	2.46E+04	1.39E+00	1.14E-01	1.1009	228.877
480.22	287.769	207.912	4.81E-03	1.92E-04	2.46E+04	1.39E+00	1.14E-01	1.10091	228.876
479.72	287.734	207.385	4.82E-03	1.92E-04	2.46E+04	1.39E+00	1.14E-01	1.10091	228.875
479.22	287.699	206.86	4.83E-03	1.93E-04	2.46E+04	1.39E+00	1.14E-01	1.10092	228.874
478.72	287.664	206.336	4.85E-03	1.93E-04	2.46E+04	1.39E+00	1.14E-01	1.10092	228.873
478.22	287.629	205.814	4.86E-03	1.93E-04	2.46E+04	1.39E+00	1.15E-01	1.10093	228.872
477.72	287.594	205.293	4.87E-03	1.93E-04	2.46E+04	1.39E+00	1.15E-01	1.10093	228.871
477.22	287.56	204.775	4.88E-03	1.93E-04	2.46E+04	1.39E+00	1.15E-01	1.10094	228.87
476.72	287.525	204.258	4.90E-03	1.93E-04	2.46E+04	1.39E+00	1.15E-01	1.10094	228.869
476.22	287.49	203.742	4.91E-03	1.93E-04	2.46E+04	1.39E+00	1.16E-01	1.10095	228.868
475.72	287.455	203.229	4.92E-03	1.93E-04	2.46E+04	1.39E+00	1.16E-01	1.10095	228.867
475.22	287.419	202.717	4.93E-03	1.93E-04	2.46E+04	1.39E+00	1.16E-01	1.10096	228.866
474.72	287.384	202.207	4.95E-03	1.93E-04	2.46E+04	1.40E+00	1.16E-01	1.10097	228.865
474.22	287.349	201.698	4.96E-03	1.93E-04	2.46E+04	1.40E+00	1.16E-01	1.10097	228.864
473.72	287.314	201.191	4.97E-03	1.93E-04	2.46E+04	1.40E+00	1.17E-01	1.10098	228.863
473.22	287.279	200.685	4.98E-03	1.93E-04	2.46E+04	1.40E+00	1.17E-01	1.10098	228.862
472.72	287.244	200.182	5.00E-03	1.93E-04	2.45E+04	1.40E+00	1.17E-01	1.10099	228.861
472.22	287.208	199.679	5.01E-03	1.93E-04	2.45E+04	1.40E+00	1.17E-01	1.10099	228.86

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
471.72	287.173	199.179	5.02E-03	1.93E-04	2.45E+04	1.40E+00	1.18E-01	1.101	228.859
471.22	287.138	198.68	5.03E-03	1.93E-04	2.45E+04	1.40E+00	1.18E-01	1.101	228.858
470.72	287.102	198.183	5.05E-03	1.93E-04	2.45E+04	1.40E+00	1.18E-01	1.10101	228.857
470.22	287.067	197.687	5.06E-03	1.93E-04	2.45E+04	1.40E+00	1.18E-01	1.10102	228.856
469.72	287.032	197.192	5.07E-03	1.93E-04	2.45E+04	1.40E+00	1.18E-01	1.10102	228.855
469.22	286.996	196.7	5.08E-03	1.93E-04	2.45E+04	1.40E+00	1.19E-01	1.10103	228.854
468.72	286.961	196.209	5.10E-03	1.93E-04	2.45E+04	1.40E+00	1.19E-01	1.10103	228.853
467.72	286.89	195.231	5.12E-03	1.93E-04	2.45E+04	1.40E+00	1.19E-01	1.10104	228.851
467.22	286.854	194.745	5.13E-03	1.93E-04	2.45E+04	1.40E+00	1.20E-01	1.10105	228.85
466.72	286.818	194.26	5.15E-03	1.93E-04	2.45E+04	1.40E+00	1.20E-01	1.10106	228.849
466.22	286.783	193.776	5.16E-03	1.93E-04	2.45E+04	1.40E+00	1.20E-01	1.10106	228.847
465.72	286.747	193.294	5.17E-03	1.93E-04	2.45E+04	1.40E+00	1.20E-01	1.10107	228.846
465.22	286.711	192.814	5.19E-03	1.93E-04	2.45E+04	1.40E+00	1.20E-01	1.10107	228.845
464.72	286.676	192.335	5.20E-03	1.93E-04	2.45E+04	1.40E+00	1.21E-01	1.10108	228.844
464.22	286.64	191.858	5.21E-03	1.93E-04	2.45E+04	1.40E+00	1.21E-01	1.10108	228.843
463.72	286.604	191.382	5.23E-03	1.93E-04	2.45E+04	1.40E+00	1.21E-01	1.10109	228.842
463.22	286.568	190.907	5.24E-03	1.94E-04	2.45E+04	1.40E+00	1.21E-01	1.1011	228.841
462.72	286.532	190.434	5.25E-03	1.94E-04	2.45E+04	1.40E+00	1.22E-01	1.1011	228.84
462.22	286.496	189.963	5.26E-03	1.94E-04	2.45E+04	1.40E+00	1.22E-01	1.10111	228.839
461.72	286.46	189.493	5.28E-03	1.94E-04	2.45E+04	1.40E+00	1.22E-01	1.10111	228.837
461.22	286.424	189.024	5.29E-03	1.94E-04	2.45E+04	1.40E+00	1.22E-01	1.10112	228.836
460.72	286.388	188.557	5.30E-03	1.94E-04	2.45E+04	1.40E+00	1.22E-01	1.10113	228.835
460.22	286.352	188.091	5.32E-03	1.94E-04	2.45E+04	1.40E+00	1.23E-01	1.10113	228.834
459.72	286.316	187.627	5.33E-03	1.94E-04	2.44E+04	1.40E+00	1.23E-01	1.10114	228.833
459.22	286.28	187.164	5.34E-03	1.94E-04	2.44E+04	1.40E+00	1.23E-01	1.10114	228.832
458.72	286.244	186.702	5.36E-03	1.94E-04	2.44E+04	1.40E+00	1.23E-01	1.10115	228.831
458.22	286.208	186.242	5.37E-03	1.94E-04	2.44E+04	1.40E+00	1.24E-01	1.10115	228.829
457.72	286.171	185.784	5.38E-03	1.94E-04	2.44E+04	1.40E+00	1.24E-01	1.10116	228.828
456.72	286.099	184.87	5.41E-03	1.94E-04	2.44E+04	1.40E+00	1.24E-01	1.10117	228.826
456.22	286.062	184.416	5.42E-03	1.94E-04	2.44E+04	1.40E+00	1.24E-01	1.10118	228.825
455.72	286.026	183.963	5.44E-03	1.94E-04	2.44E+04	1.40E+00	1.25E-01	1.10118	228.824
455.22	285.99	183.511	5.45E-03	1.94E-04	2.44E+04	1.41E+00	1.25E-01	1.10119	228.822
454.72	285.953	183.061	5.46E-03	1.94E-04	2.44E+04	1.41E+00	1.25E-01	1.1012	228.821
454.22	285.917	182.612	5.48E-03	1.94E-04	2.44E+04	1.41E+00	1.25E-01	1.1012	228.82
453.72	285.88	182.164	5.49E-03	1.94E-04	2.44E+04	1.41E+00	1.26E-01	1.10121	228.819
453.22	285.843	181.718	5.50E-03	1.94E-04	2.44E+04	1.41E+00	1.26E-01	1.10122	228.818
452.72	285.807	181.273	5.52E-03	1.94E-04	2.44E+04	1.41E+00	1.26E-01	1.10122	228.816
452.22	285.77	180.829	5.53E-03	1.94E-04	2.44E+04	1.41E+00	1.26E-01	1.10123	228.815
451.72	285.734	180.387	5.54E-03	1.94E-04	2.44E+04	1.41E+00	1.26E-01	1.10123	228.814
451.22	285.697	179.946	5.56E-03	1.94E-04	2.44E+04	1.41E+00	1.27E-01	1.10124	228.813
450.72	285.66	179.506	5.57E-03	1.94E-04	2.44E+04	1.41E+00	1.27E-01	1.10125	228.811
450.22	285.623	179.067	5.58E-03	1.94E-04	2.44E+04	1.41E+00	1.27E-01	1.10125	228.81
449.72	285.587	178.63	5.60E-03	1.94E-04	2.44E+04	1.41E+00	1.27E-01	1.10126	228.809
449.22	285.55	178.194	5.61E-03	1.94E-04	2.44E+04	1.41E+00	1.28E-01	1.10126	228.808
448.72	285.513	177.76	5.63E-03	1.94E-04	2.44E+04	1.41E+00	1.28E-01	1.10127	228.806
448.22	285.476	177.327	5.64E-03	1.94E-04	2.44E+04	1.41E+00	1.28E-01	1.10128	228.805
447.72	285.439	176.895	5.65E-03	1.94E-04	2.44E+04	1.41E+00	1.28E-01	1.10128	228.804
447.22	285.402	176.464	5.67E-03	1.94E-04	2.44E+04	1.41E+00	1.28E-01	1.10129	228.803
446.72	285.365	176.035	5.68E-03	1.95E-04	2.43E+04	1.41E+00	1.29E-01	1.1013	228.801
446.22	285.328	175.607	5.69E-03	1.95E-04	2.43E+04	1.41E+00	1.29E-01	1.1013	228.8
445.72	285.291	175.18	5.71E-03	1.95E-04	2.43E+04	1.41E+00	1.29E-01	1.10131	228.799
445.22	285.254	174.754	5.72E-03	1.95E-04	2.43E+04	1.41E+00	1.29E-01	1.10131	228.797

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
444.22	285.179	173.907	5.75E-03	1.95E-04	2.43E+04	1.41E+00	1.30E-01	1.10133	228.795
443.72	285.142	173.485	5.76E-03	1.95E-04	2.43E+04	1.41E+00	1.30E-01	1.10133	228.793
443.22	285.105	173.064	5.78E-03	1.95E-04	2.43E+04	1.41E+00	1.30E-01	1.10134	228.792
442.72	285.067	172.644	5.79E-03	1.95E-04	2.43E+04	1.41E+00	1.30E-01	1.10135	228.791
442.22	285.03	172.226	5.81E-03	1.95E-04	2.43E+04	1.41E+00	1.31E-01	1.10135	228.789
441.72	284.993	171.809	5.82E-03	1.95E-04	2.43E+04	1.41E+00	1.31E-01	1.10136	228.788
441.22	284.955	171.393	5.83E-03	1.95E-04	2.43E+04	1.41E+00	1.31E-01	1.10136	228.787
440.22	284.88	170.565	5.86E-03	1.95E-04	2.43E+04	1.41E+00	1.31E-01	1.10138	228.784
439.72	284.843	170.153	5.88E-03	1.95E-04	2.43E+04	1.41E+00	1.32E-01	1.10138	228.783
439.22	284.805	169.742	5.89E-03	1.95E-04	2.43E+04	1.41E+00	1.32E-01	1.10139	228.781
438.72	284.767	169.332	5.91E-03	1.95E-04	2.43E+04	1.41E+00	1.32E-01	1.1014	228.78
438.22	284.73	168.923	5.92E-03	1.95E-04	2.43E+04	1.41E+00	1.32E-01	1.1014	228.779
437.72	284.692	168.516	5.93E-03	1.95E-04	2.43E+04	1.41E+00	1.33E-01	1.10141	228.777
437.22	284.654	168.109	5.95E-03	1.95E-04	2.43E+04	1.41E+00	1.33E-01	1.10142	228.776
436.72	284.616	167.704	5.96E-03	1.95E-04	2.43E+04	1.41E+00	1.33E-01	1.10142	228.774
436.22	284.579	167.3	5.98E-03	1.95E-04	2.43E+04	1.41E+00	1.33E-01	1.10143	228.773
435.72	284.541	166.897	5.99E-03	1.95E-04	2.43E+04	1.41E+00	1.33E-01	1.10143	228.772
435.22	284.503	166.495	6.01E-03	1.95E-04	2.43E+04	1.41E+00	1.34E-01	1.10144	228.77
434.72	284.465	166.095	6.02E-03	1.95E-04	2.43E+04	1.41E+00	1.34E-01	1.10145	228.769
434.22	284.427	165.695	6.04E-03	1.95E-04	2.43E+04	1.41E+00	1.34E-01	1.10145	228.767
433.72	284.389	165.297	6.05E-03	1.95E-04	2.43E+04	1.41E+00	1.34E-01	1.10146	228.766
433.22	284.351	164.9	6.06E-03	1.95E-04	2.42E+04	1.41E+00	1.35E-01	1.10147	228.764
432.72	284.313	164.504	6.08E-03	1.95E-04	2.42E+04	1.41E+00	1.35E-01	1.10147	228.763
432.22	284.275	164.109	6.09E-03	1.95E-04	2.42E+04	1.42E+00	1.35E-01	1.10148	228.761
431.72	284.237	163.715	6.11E-03	1.95E-04	2.42E+04	1.42E+00	1.35E-01	1.10149	228.76
430.72	284.16	162.93	6.14E-03	1.95E-04	2.42E+04	1.42E+00	1.36E-01	1.1015	228.757
430.22	284.122	162.54	6.15E-03	1.96E-04	2.42E+04	1.42E+00	1.36E-01	1.10151	228.756
429.72	284.083	162.15	6.17E-03	1.96E-04	2.42E+04	1.42E+00	1.36E-01	1.10151	228.754
429.22	284.045	161.762	6.18E-03	1.96E-04	2.42E+04	1.42E+00	1.36E-01	1.10152	228.753
428.72	284.007	161.374	6.20E-03	1.96E-04	2.42E+04	1.42E+00	1.36E-01	1.10152	228.751
428.22	283.968	160.988	6.21E-03	1.96E-04	2.42E+04	1.42E+00	1.37E-01	1.10153	228.75
427.72	283.93	160.603	6.23E-03	1.96E-04	2.42E+04	1.42E+00	1.37E-01	1.10154	228.748
427.22	283.891	160.219	6.24E-03	1.96E-04	2.42E+04	1.42E+00	1.37E-01	1.10154	228.746
426.72	283.853	159.836	6.26E-03	1.96E-04	2.42E+04	1.42E+00	1.37E-01	1.10155	228.745
426.22	283.814	159.454	6.27E-03	1.96E-04	2.42E+04	1.42E+00	1.38E-01	1.10156	228.743
425.72	283.775	159.073	6.29E-03	1.96E-04	2.42E+04	1.42E+00	1.38E-01	1.10156	228.742
425.22	283.737	158.693	6.30E-03	1.96E-04	2.42E+04	1.42E+00	1.38E-01	1.10157	228.74
424.72	283.698	158.314	6.32E-03	1.96E-04	2.42E+04	1.42E+00	1.38E-01	1.10158	228.739
424.22	283.659	157.936	6.33E-03	1.96E-04	2.42E+04	1.42E+00	1.38E-01	1.10158	228.737
423.72	283.62	157.559	6.35E-03	1.96E-04	2.42E+04	1.42E+00	1.39E-01	1.10159	228.736
423.22	283.582	157.184	6.36E-03	1.96E-04	2.42E+04	1.42E+00	1.39E-01	1.1016	228.734
422.72	283.543	156.809	6.38E-03	1.96E-04	2.42E+04	1.42E+00	1.39E-01	1.1016	228.732
422.22	283.504	156.435	6.39E-03	1.96E-04	2.42E+04	1.42E+00	1.39E-01	1.10161	228.731
421.72	283.465	156.063	6.41E-03	1.96E-04	2.42E+04	1.42E+00	1.39E-01	1.10162	228.729
421.22	283.426	155.691	6.42E-03	1.96E-04	2.42E+04	1.42E+00	1.40E-01	1.10162	228.728
420.72	283.387	155.32	6.44E-03	1.96E-04	2.42E+04	1.42E+00	1.40E-01	1.10163	228.726
420.22	283.348	154.951	6.45E-03	1.96E-04	2.42E+04	1.42E+00	1.40E-01	1.10164	228.724
419.72	283.309	154.582	6.47E-03	1.96E-04	2.42E+04	1.42E+00	1.40E-01	1.10164	228.723
419.22	283.269	154.214	6.48E-03	1.96E-04	2.41E+04	1.42E+00	1.41E-01	1.10165	228.721
418.72	283.23	153.848	6.50E-03	1.96E-04	2.41E+04	1.42E+00	1.41E-01	1.10166	228.72
418.22	283.191	153.482	6.52E-03	1.96E-04	2.41E+04	1.42E+00	1.41E-01	1.10166	228.718
417.72	283.152	153.118	6.53E-03	1.96E-04	2.41E+04	1.42E+00	1.41E-01	1.10167	228.716

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
417.22	283.112	152.754	6.55E-03	1.96E-04	2.41E+04	1.42E+00	1.41E-01	1.10168	228.715
416.72	283.073	152.391	6.56E-03	1.96E-04	2.41E+04	1.42E+00	1.42E-01	1.10168	228.713
416.22	283.034	152.029	6.58E-03	1.96E-04	2.41E+04	1.42E+00	1.42E-01	1.10169	228.711
415.72	282.994	151.669	6.59E-03	1.96E-04	2.41E+04	1.42E+00	1.42E-01	1.1017	228.709
415.22	282.955	151.309	6.61E-03	1.96E-04	2.41E+04	1.42E+00	1.42E-01	1.1017	228.708
414.72	282.915	150.95	6.62E-03	1.96E-04	2.41E+04	1.42E+00	1.42E-01	1.10171	228.706
414.22	282.875	150.592	6.64E-03	1.96E-04	2.41E+04	1.42E+00	1.43E-01	1.10172	228.704
413.72	282.836	150.235	6.66E-03	1.96E-04	2.41E+04	1.42E+00	1.43E-01	1.10172	228.703
412.72	282.756	149.524	6.69E-03	1.97E-04	2.41E+04	1.42E+00	1.43E-01	1.10174	228.699
412.22	282.717	149.17	6.70E-03	1.97E-04	2.41E+04	1.42E+00	1.44E-01	1.10174	228.697
411.72	282.677	148.817	6.72E-03	1.97E-04	2.41E+04	1.42E+00	1.44E-01	1.10175	228.696
411.22	282.637	148.465	6.74E-03	1.97E-04	2.41E+04	1.42E+00	1.44E-01	1.10176	228.694
410.72	282.597	148.113	6.75E-03	1.97E-04	2.41E+04	1.42E+00	1.44E-01	1.10176	228.692
410.22	282.557	147.763	6.77E-03	1.97E-04	2.41E+04	1.42E+00	1.44E-01	1.10177	228.69
409.72	282.517	147.414	6.78E-03	1.97E-04	2.41E+04	1.42E+00	1.45E-01	1.10178	228.689
409.22	282.477	147.065	6.80E-03	1.97E-04	2.41E+04	1.42E+00	1.45E-01	1.10178	228.687
408.72	282.437	146.718	6.82E-03	1.97E-04	2.41E+04	1.42E+00	1.45E-01	1.10179	228.685
408.22	282.397	146.371	6.83E-03	1.97E-04	2.41E+04	1.42E+00	1.45E-01	1.1018	228.683
407.72	282.357	146.025	6.85E-03	1.97E-04	2.41E+04	1.42E+00	1.45E-01	1.1018	228.681
407.22	282.317	145.68	6.86E-03	1.97E-04	2.41E+04	1.42E+00	1.46E-01	1.10181	228.68
406.72	282.277	145.336	6.88E-03	1.97E-04	2.41E+04	1.42E+00	1.46E-01	1.10182	228.678
406.22	282.236	144.993	6.90E-03	1.97E-04	2.41E+04	1.42E+00	1.46E-01	1.10182	228.676
405.72	282.196	144.651	6.91E-03	1.97E-04	2.41E+04	1.42E+00	1.46E-01	1.10183	228.674
404.72	282.115	143.969	6.95E-03	1.97E-04	2.40E+04	1.42E+00	1.47E-01	1.10184	228.67
404.22	282.075	143.63	6.96E-03	1.97E-04	2.40E+04	1.42E+00	1.47E-01	1.10185	228.668
403.72	282.034	143.291	6.98E-03	1.97E-04	2.40E+04	1.42E+00	1.47E-01	1.10186	228.667
403.22	281.994	142.953	7.00E-03	1.97E-04	2.40E+04	1.43E+00	1.47E-01	1.10186	228.665
402.72	281.953	142.617	7.01E-03	1.97E-04	2.40E+04	1.43E+00	1.48E-01	1.10187	228.663
402.22	281.912	142.281	7.03E-03	1.97E-04	2.40E+04	1.43E+00	1.48E-01	1.10187	228.661
401.72	281.872	141.945	7.05E-03	1.97E-04	2.40E+04	1.43E+00	1.48E-01	1.10188	228.659
401.22	281.831	141.611	7.06E-03	1.97E-04	2.40E+04	1.43E+00	1.48E-01	1.10189	228.657
400.72	281.79	141.278	7.08E-03	1.97E-04	2.40E+04	1.43E+00	1.48E-01	1.10189	228.655
400.22	281.749	140.945	7.10E-03	1.97E-04	2.40E+04	1.43E+00	1.49E-01	1.1019	228.653
399.72	281.709	140.613	7.11E-03	1.97E-04	2.40E+04	1.43E+00	1.49E-01	1.10191	228.651
399.22	281.668	140.283	7.13E-03	1.97E-04	2.40E+04	1.43E+00	1.49E-01	1.10191	228.649
398.72	281.627	139.953	7.15E-03	1.97E-04	2.40E+04	1.43E+00	1.49E-01	1.10192	228.647
398.22	281.586	139.623	7.16E-03	1.97E-04	2.40E+04	1.43E+00	1.49E-01	1.10193	228.645
397.72	281.545	139.295	7.18E-03	1.97E-04	2.40E+04	1.43E+00	1.50E-01	1.10193	228.643
397.22	281.504	138.967	7.20E-03	1.97E-04	2.40E+04	1.43E+00	1.50E-01	1.10194	228.641
396.72	281.463	138.641	7.21E-03	1.97E-04	2.40E+04	1.43E+00	1.50E-01	1.10195	228.639
396.22	281.421	138.315	7.23E-03	1.97E-04	2.40E+04	1.43E+00	1.50E-01	1.10195	228.637
395.72	281.38	137.99	7.25E-03	1.98E-04	2.40E+04	1.43E+00	1.50E-01	1.10196	228.635
395.22	281.339	137.666	7.26E-03	1.98E-04	2.40E+04	1.43E+00	1.51E-01	1.10197	228.633
394.72	281.298	137.342	7.28E-03	1.98E-04	2.40E+04	1.43E+00	1.51E-01	1.10197	228.631
394.22	281.256	137.02	7.30E-03	1.98E-04	2.40E+04	1.43E+00	1.51E-01	1.10198	228.629
393.72	281.215	136.698	7.32E-03	1.98E-04	2.40E+04	1.43E+00	1.51E-01	1.10199	228.627
393.22	281.173	136.377	7.33E-03	1.98E-04	2.40E+04	1.43E+00	1.52E-01	1.10199	228.625
392.72	281.132	136.057	7.35E-03	1.98E-04	2.40E+04	1.43E+00	1.52E-01	1.102	228.623
392.22	281.09	135.738	7.37E-03	1.98E-04	2.40E+04	1.43E+00	1.52E-01	1.10201	228.621
391.72	281.049	135.419	7.38E-03	1.98E-04	2.40E+04	1.43E+00	1.52E-01	1.10201	228.619
391.22	281.007	135.101	7.40E-03	1.98E-04	2.40E+04	1.43E+00	1.52E-01	1.10202	228.617
390.72	280.965	134.784	7.42E-03	1.98E-04	2.39E+04	1.43E+00	1.53E-01	1.10203	228.615

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
390.22	280.924	134.468	7.44E-03	1.98E-04	2.39E+04	1.43E+00	1.53E-01	1.10203	228.613
389.72	280.882	134.153	7.45E-03	1.98E-04	2.39E+04	1.43E+00	1.53E-01	1.10204	228.61
389.22	280.84	133.838	7.47E-03	1.98E-04	2.39E+04	1.43E+00	1.53E-01	1.10205	228.608
388.72	280.798	133.525	7.49E-03	1.98E-04	2.39E+04	1.43E+00	1.53E-01	1.10205	228.606
388.22	280.756	133.212	7.51E-03	1.98E-04	2.39E+04	1.43E+00	1.54E-01	1.10206	228.604
387.72	280.714	132.899	7.52E-03	1.98E-04	2.39E+04	1.43E+00	1.54E-01	1.10207	228.602
387.22	280.672	132.588	7.54E-03	1.98E-04	2.39E+04	1.43E+00	1.54E-01	1.10207	228.6
386.72	280.63	132.277	7.56E-03	1.98E-04	2.39E+04	1.43E+00	1.54E-01	1.10208	228.597
386.22	280.588	131.967	7.58E-03	1.98E-04	2.39E+04	1.43E+00	1.54E-01	1.10208	228.595
385.22	280.504	131.35	7.61E-03	1.98E-04	2.39E+04	1.43E+00	1.55E-01	1.1021	228.591
384.72	280.461	131.042	7.63E-03	1.98E-04	2.39E+04	1.43E+00	1.55E-01	1.1021	228.589
384.22	280.419	130.735	7.65E-03	1.98E-04	2.39E+04	1.43E+00	1.55E-01	1.10211	228.586
383.72	280.377	130.429	7.67E-03	1.98E-04	2.39E+04	1.43E+00	1.55E-01	1.10212	228.584
383.22	280.334	130.124	7.69E-03	1.98E-04	2.39E+04	1.43E+00	1.56E-01	1.10212	228.582
382.72	280.292	129.819	7.70E-03	1.98E-04	2.39E+04	1.43E+00	1.56E-01	1.10213	228.579
382.22	280.249	129.515	7.72E-03	1.98E-04	2.39E+04	1.43E+00	1.56E-01	1.10214	228.577
381.72	280.207	129.212	7.74E-03	1.98E-04	2.39E+04	1.43E+00	1.56E-01	1.10214	228.575
381.22	280.164	128.91	7.76E-03	1.98E-04	2.39E+04	1.43E+00	1.56E-01	1.10215	228.573
380.72	280.122	128.608	7.78E-03	1.98E-04	2.39E+04	1.43E+00	1.57E-01	1.10216	228.57
380.22	280.079	128.307	7.79E-03	1.98E-04	2.39E+04	1.43E+00	1.57E-01	1.10216	228.568
379.72	280.036	128.007	7.81E-03	1.98E-04	2.39E+04	1.43E+00	1.57E-01	1.10217	228.566
379.22	279.993	127.708	7.83E-03	1.98E-04	2.39E+04	1.43E+00	1.57E-01	1.10217	228.563
378.72	279.951	127.409	7.85E-03	1.98E-04	2.39E+04	1.43E+00	1.58E-01	1.10218	228.561
378.22	279.908	127.111	7.87E-03	1.98E-04	2.39E+04	1.43E+00	1.58E-01	1.10219	228.559
377.72	279.865	126.814	7.89E-03	1.99E-04	2.39E+04	1.43E+00	1.58E-01	1.10219	228.556
377.22	279.822	126.517	7.90E-03	1.99E-04	2.39E+04	1.43E+00	1.58E-01	1.1022	228.554
376.72	279.779	126.221	7.92E-03	1.99E-04	2.39E+04	1.43E+00	1.58E-01	1.10221	228.551
376.22	279.736	125.926	7.94E-03	1.99E-04	2.38E+04	1.43E+00	1.59E-01	1.10221	228.549
375.72	279.692	125.632	7.96E-03	1.99E-04	2.38E+04	1.43E+00	1.59E-01	1.10222	228.547
375.22	279.649	125.338	7.98E-03	1.99E-04	2.38E+04	1.43E+00	1.59E-01	1.10222	228.544
374.72	279.606	125.045	8.00E-03	1.99E-04	2.38E+04	1.43E+00	1.59E-01	1.10223	228.542
374.22	279.563	124.753	8.02E-03	1.99E-04	2.38E+04	1.43E+00	1.59E-01	1.10224	228.539
373.72	279.519	124.461	8.03E-03	1.99E-04	2.38E+04	1.43E+00	1.60E-01	1.10224	228.537
373.22	279.476	124.17	8.05E-03	1.99E-04	2.38E+04	1.43E+00	1.60E-01	1.10225	228.534
372.72	279.432	123.88	8.07E-03	1.99E-04	2.38E+04	1.43E+00	1.60E-01	1.10226	228.532
372.22	279.389	123.59	8.09E-03	1.99E-04	2.38E+04	1.43E+00	1.60E-01	1.10226	228.529
371.72	279.345	123.302	8.11E-03	1.99E-04	2.38E+04	1.43E+00	1.60E-01	1.10227	228.527
371.22	279.302	123.013	8.13E-03	1.99E-04	2.38E+04	1.43E+00	1.61E-01	1.10227	228.524
370.72	279.258	122.726	8.15E-03	1.99E-04	2.38E+04	1.43E+00	1.61E-01	1.10228	228.522
370.22	279.214	122.439	8.17E-03	1.99E-04	2.38E+04	1.43E+00	1.61E-01	1.10229	228.519
369.72	279.171	122.153	8.19E-03	1.99E-04	2.38E+04	1.43E+00	1.61E-01	1.10229	228.517
369.22	279.127	121.868	8.21E-03	1.99E-04	2.38E+04	1.43E+00	1.61E-01	1.1023	228.514
368.72	279.083	121.583	8.22E-03	1.99E-04	2.38E+04	1.43E+00	1.62E-01	1.1023	228.511
368.22	279.039	121.299	8.24E-03	1.99E-04	2.38E+04	1.43E+00	1.62E-01	1.10231	228.509
367.72	278.995	121.015	8.26E-03	1.99E-04	2.38E+04	1.43E+00	1.62E-01	1.10232	228.506
367.22	278.951	120.733	8.28E-03	1.99E-04	2.38E+04	1.43E+00	1.62E-01	1.10232	228.504
366.72	278.907	120.451	8.30E-03	1.99E-04	2.38E+04	1.43E+00	1.62E-01	1.10233	228.501
366.22	278.863	120.169	8.32E-03	1.99E-04	2.38E+04	1.43E+00	1.63E-01	1.10233	228.498
365.72	278.819	119.888	8.34E-03	1.99E-04	2.38E+04	1.43E+00	1.63E-01	1.10234	228.496
365.22	278.774	119.608	8.36E-03	1.99E-04	2.38E+04	1.43E+00	1.63E-01	1.10235	228.493
364.72	278.73	119.329	8.38E-03	1.99E-04	2.38E+04	1.43E+00	1.63E-01	1.10235	228.49
364.22	278.686	119.05	8.40E-03	1.99E-04	2.38E+04	1.43E+00	1.63E-01	1.10236	228.488

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
363.72	278.641	118.772	8.42E-03	1.99E-04	2.38E+04	1.43E+00	1.64E-01	1.10236	228.485
363.22	278.597	118.494	8.44E-03	1.99E-04	2.38E+04	1.43E+00	1.64E-01	1.10237	228.482
362.72	278.552	118.218	8.46E-03	1.99E-04	2.38E+04	1.43E+00	1.64E-01	1.10238	228.479
362.22	278.508	117.941	8.48E-03	1.99E-04	2.38E+04	1.44E+00	1.64E-01	1.10238	228.477
361.72	278.463	117.666	8.50E-03	1.99E-04	2.38E+04	1.44E+00	1.64E-01	1.10239	228.474
361.22	278.418	117.391	8.52E-03	1.99E-04	2.37E+04	1.44E+00	1.65E-01	1.10239	228.471
360.72	278.374	117.117	8.54E-03	1.99E-04	2.37E+04	1.44E+00	1.65E-01	1.1024	228.468
360.22	278.329	116.843	8.56E-03	2.00E-04	2.37E+04	1.44E+00	1.65E-01	1.1024	228.466
359.72	278.284	116.57	8.58E-03	2.00E-04	2.37E+04	1.44E+00	1.65E-01	1.10241	228.463
359.22	278.239	116.298	8.60E-03	2.00E-04	2.37E+04	1.44E+00	1.65E-01	1.10242	228.46
358.72	278.194	116.026	8.62E-03	2.00E-04	2.37E+04	1.44E+00	1.66E-01	1.10242	228.457
357.72	278.104	115.484	8.66E-03	2.00E-04	2.37E+04	1.44E+00	1.66E-01	1.10243	228.451
357.22	278.059	115.214	8.68E-03	2.00E-04	2.37E+04	1.44E+00	1.66E-01	1.10244	228.448
356.72	278.014	114.945	8.70E-03	2.00E-04	2.37E+04	1.44E+00	1.66E-01	1.10244	228.446
356.22	277.969	114.677	8.72E-03	2.00E-04	2.37E+04	1.44E+00	1.67E-01	1.10245	228.443
355.72	277.923	114.409	8.74E-03	2.00E-04	2.37E+04	1.44E+00	1.67E-01	1.10245	228.44
355.22	277.878	114.141	8.76E-03	2.00E-04	2.37E+04	1.44E+00	1.67E-01	1.10246	228.437
354.72	277.833	113.874	8.78E-03	2.00E-04	2.37E+04	1.44E+00	1.67E-01	1.10247	228.434
354.22	277.787	113.608	8.80E-03	2.00E-04	2.37E+04	1.44E+00	1.67E-01	1.10247	228.431
353.72	277.742	113.343	8.82E-03	2.00E-04	2.37E+04	1.44E+00	1.68E-01	1.10248	228.428
353.22	277.696	113.078	8.84E-03	2.00E-04	2.37E+04	1.44E+00	1.68E-01	1.10248	228.425
352.72	277.65	112.813	8.86E-03	2.00E-04	2.37E+04	1.44E+00	1.68E-01	1.10249	228.422
352.22	277.605	112.549	8.89E-03	2.00E-04	2.37E+04	1.44E+00	1.68E-01	1.10249	228.419
351.72	277.559	112.286	8.91E-03	2.00E-04	2.37E+04	1.44E+00	1.68E-01	1.1025	228.416
351.22	277.513	112.024	8.93E-03	2.00E-04	2.37E+04	1.44E+00	1.69E-01	1.1025	228.413
350.72	277.467	111.762	8.95E-03	2.00E-04	2.37E+04	1.44E+00	1.69E-01	1.10251	228.41
350.22	277.421	111.5	8.97E-03	2.00E-04	2.37E+04	1.44E+00	1.69E-01	1.10251	228.407
349.72	277.375	111.24	8.99E-03	2.00E-04	2.37E+04	1.44E+00	1.69E-01	1.10252	228.404
349.22	277.329	110.979	9.01E-03	2.00E-04	2.37E+04	1.44E+00	1.69E-01	1.10252	228.4
348.72	277.283	110.72	9.03E-03	2.00E-04	2.37E+04	1.44E+00	1.70E-01	1.10253	228.397
348.22	277.237	110.461	9.05E-03	2.00E-04	2.37E+04	1.44E+00	1.70E-01	1.10253	228.394
347.72	277.191	110.202	9.07E-03	2.00E-04	2.37E+04	1.44E+00	1.70E-01	1.10254	228.391
347.22	277.145	109.944	9.10E-03	2.00E-04	2.37E+04	1.44E+00	1.70E-01	1.10254	228.388
346.72	277.098	109.687	9.12E-03	2.00E-04	2.37E+04	1.44E+00	1.70E-01	1.10255	228.385
346.22	277.052	109.43	9.14E-03	2.00E-04	2.36E+04	1.44E+00	1.71E-01	1.10255	228.381
345.72	277.006	109.174	9.16E-03	2.00E-04	2.36E+04	1.44E+00	1.71E-01	1.10256	228.378
345.22	276.959	108.919	9.18E-03	2.00E-04	2.36E+04	1.44E+00	1.71E-01	1.10256	228.375
344.72	276.913	108.664	9.20E-03	2.00E-04	2.36E+04	1.44E+00	1.71E-01	1.10257	228.372
344.22	276.866	108.409	9.22E-03	2.00E-04	2.36E+04	1.44E+00	1.71E-01	1.10257	228.369
343.72	276.819	108.155	9.25E-03	2.00E-04	2.36E+04	1.44E+00	1.71E-01	1.10258	228.365
343.22	276.772	107.902	9.27E-03	2.00E-04	2.36E+04	1.44E+00	1.72E-01	1.10258	228.362
342.72	276.726	107.649	9.29E-03	2.00E-04	2.36E+04	1.44E+00	1.72E-01	1.10259	228.359
342.22	276.679	107.397	9.31E-03	2.01E-04	2.36E+04	1.44E+00	1.72E-01	1.10259	228.355
341.72	276.632	107.145	9.33E-03	2.01E-04	2.36E+04	1.44E+00	1.72E-01	1.1026	228.352
341.22	276.585	106.894	9.36E-03	2.01E-04	2.36E+04	1.44E+00	1.72E-01	1.1026	228.349
340.72	276.538	106.644	9.38E-03	2.01E-04	2.36E+04	1.44E+00	1.73E-01	1.10261	228.345
340.22	276.491	106.394	9.40E-03	2.01E-04	2.36E+04	1.44E+00	1.73E-01	1.10261	228.342
339.72	276.444	106.145	9.42E-03	2.01E-04	2.36E+04	1.44E+00	1.73E-01	1.10262	228.338
339.22	276.396	105.896	9.44E-03	2.01E-04	2.36E+04	1.44E+00	1.73E-01	1.10262	228.335
338.72	276.349	105.647	9.47E-03	2.01E-04	2.36E+04	1.44E+00	1.73E-01	1.10263	228.332
338.22	276.302	105.4	9.49E-03	2.01E-04	2.36E+04	1.44E+00	1.74E-01	1.10263	228.328
337.72	276.254	105.152	9.51E-03	2.01E-04	2.36E+04	1.44E+00	1.74E-01	1.10264	228.325

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
337.22	276.207	104.906	9.53E-03	2.01E-04	2.36E+04	1.44E+00	1.74E-01	1.10264	228.321
336.72	276.159	104.66	9.55E-03	2.01E-04	2.36E+04	1.44E+00	1.74E-01	1.10264	228.318
336.22	276.112	104.414	9.58E-03	2.01E-04	2.36E+04	1.44E+00	1.74E-01	1.10265	228.314
335.72	276.064	104.169	9.60E-03	2.01E-04	2.36E+04	1.44E+00	1.75E-01	1.10265	228.311
335.22	276.016	103.925	9.62E-03	2.01E-04	2.36E+04	1.44E+00	1.75E-01	1.10266	228.307
334.72	275.969	103.681	9.65E-03	2.01E-04	2.36E+04	1.44E+00	1.75E-01	1.10266	228.303
334.22	275.921	103.437	9.67E-03	2.01E-04	2.36E+04	1.44E+00	1.75E-01	1.10267	228.3
333.72	275.873	103.194	9.69E-03	2.01E-04	2.36E+04	1.44E+00	1.75E-01	1.10267	228.296
333.22	275.825	102.952	9.71E-03	2.01E-04	2.36E+04	1.44E+00	1.76E-01	1.10267	228.293
332.72	275.777	102.71	9.74E-03	2.01E-04	2.36E+04	1.44E+00	1.76E-01	1.10268	228.289
332.22	275.729	102.469	9.76E-03	2.01E-04	2.36E+04	1.44E+00	1.76E-01	1.10268	228.285
331.72	275.68	102.228	9.78E-03	2.01E-04	2.36E+04	1.44E+00	1.76E-01	1.10269	228.282
331.22	275.632	101.988	9.81E-03	2.01E-04	2.35E+04	1.44E+00	1.76E-01	1.10269	228.278
330.22	275.536	101.509	9.85E-03	2.01E-04	2.35E+04	1.44E+00	1.77E-01	1.1027	228.27
329.72	275.487	101.27	9.87E-03	2.01E-04	2.35E+04	1.44E+00	1.77E-01	1.1027	228.267
329.22	275.439	101.032	9.90E-03	2.01E-04	2.35E+04	1.44E+00	1.77E-01	1.10271	228.263
328.72	275.39	100.794	9.92E-03	2.01E-04	2.35E+04	1.44E+00	1.77E-01	1.10271	228.259
328.22	275.341	100.557	9.94E-03	2.01E-04	2.35E+04	1.44E+00	1.77E-01	1.10271	228.255
327.72	275.293	100.32	0.01	2.01E-04	23526.3	1.44	1.78E-01	1.10272	228.252
327.22	275.244	100.084	0.01	2.01E-04	23523.1	1.4401	1.78E-01	1.10272	228.248
326.72	275.195	99.8482	0.01	2.01E-04	23519.8	1.4401	1.78E-01	1.10272	228.244
326.22	275.146	99.613	0.01	2.01E-04	23516.5	1.4402	1.78E-01	1.10273	228.24
325.72	275.097	99.3784	0.0101	2.01E-04	23513.2	1.4402	1.78E-01	1.10273	228.236
325.22	275.048	99.1442	0.0101	2.01E-04	23510	1.4403	1.79E-01	1.10273	228.232
324.72	274.999	98.9106	0.0101	2.01E-04	23506.7	1.4403	1.79E-01	1.10274	228.228
324.22	274.95	98.6774	0.0101	2.02E-04	23503.4	1.4404	1.79E-01	1.10274	228.224
323.72	274.901	98.4448	0.0102	2.02E-04	23500.1	1.4404	1.79E-01	1.10274	228.22
323.22	274.852	98.2126	0.0102	2.02E-04	23496.9	1.4405	1.79E-01	1.10275	228.216
322.72	274.802	97.981	0.0102	2.02E-04	23493.6	1.4405	1.80E-01	1.10275	228.212
322.22	274.753	97.7498	0.0102	2.02E-04	23490.3	1.4405	1.80E-01	1.10275	228.208
321.72	274.703	97.5191	0.0103	2.02E-04	23487	1.4406	1.80E-01	1.10276	228.204
321.22	274.654	97.2889	0.0103	2.02E-04	23483.8	1.4406	1.80E-01	1.10276	228.2
320.72	274.604	97.0592	0.0103	2.02E-04	23480.5	1.4407	1.80E-01	1.10276	228.196
320.22	274.554	96.83	0.0103	2.02E-04	23477.2	1.4407	1.80E-01	1.10277	228.192
319.72	274.505	96.6013	0.0104	2.02E-04	23473.9	1.4408	1.81E-01	1.10277	228.188
319.22	274.455	96.373	0.0104	2.02E-04	23470.7	1.4408	1.81E-01	1.10277	228.183
318.72	274.405	96.1453	0.0104	2.02E-04	23467.4	1.4409	1.81E-01	1.10278	228.179
318.22	274.355	95.918	0.0104	2.02E-04	23464.1	1.4409	1.81E-01	1.10278	228.175
317.72	274.305	95.6912	0.0105	2.02E-04	23460.8	1.4409	1.81E-01	1.10278	228.171
317.22	274.255	95.4649	0.0105	2.02E-04	23457.6	1.441	1.82E-01	1.10278	228.167
316.72	274.205	95.239	0.0105	2.02E-04	23454.3	1.441	1.82E-01	1.10279	228.162
316.22	274.154	95.0136	0.0105	2.02E-04	23451	1.4411	1.82E-01	1.10279	228.158
315.72	274.104	94.7887	0.0105	2.02E-04	23447.7	1.4411	1.82E-01	1.10279	228.154
315.22	274.054	94.5643	0.0106	2.02E-04	23444.4	1.4411	1.82E-01	1.10279	228.149
314.72	274.003	94.3403	0.0106	2.02E-04	23441.2	1.4412	1.82E-01	1.1028	228.145
314.22	273.953	94.1168	0.0106	2.02E-04	23437.9	1.4412	1.83E-01	1.1028	228.141
313.72	273.902	93.8938	0.0107	2.02E-04	23434.6	1.4412	1.83E-01	1.1028	228.136
313.22	273.851	93.6713	0.0107	2.02E-04	23431.3	1.4413	1.83E-01	1.1028	228.132
312.72	273.801	93.4492	0.0107	2.02E-04	23428	1.4413	1.83E-01	1.1028	228.127
312.22	273.75	93.2275	0.0107	2.02E-04	23424.8	1.4414	1.83E-01	1.10281	228.123
311.72	273.699	93.0064	0.0108	2.02E-04	23421.5	1.4414	1.84E-01	1.10281	228.118
311.22	273.648	92.7856	0.0108	2.02E-04	23418.2	1.4414	1.84E-01	1.10281	228.114

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
310.72	273.597	92.5654	0.0108	2.02E-04	23414.9	1.4415	1.84E-01	1.10281	228.109
310.22	273.546	92.3456	0.0108	2.02E-04	23411.6	1.4415	1.84E-01	1.10281	228.105
309.72	273.495	92.1263	0.0109	2.02E-04	23408.3	1.4415	1.84E-01	1.10282	228.1
309.22	273.443	91.9074	0.0109	2.02E-04	23405	1.4415	1.85E-01	1.10282	228.096
308.72	273.392	91.6889	0.0109	2.02E-04	23401.8	1.4416	1.85E-01	1.10282	228.091
308.22	273.341	91.471	0.0109	2.02E-04	23398.5	1.4416	1.85E-01	1.10282	228.086
307.72	273.289	91.2534	0.011	2.02E-04	23395.2	1.4416	1.85E-01	1.10282	228.082
307.22	273.238	91.0364	0.011	2.02E-04	23391.9	1.4417	1.85E-01	1.10282	228.077
306.72	273.186	90.8197	0.011	2.03E-04	23388.6	1.4417	1.85E-01	1.10283	228.072
306.22	273.134	90.6035	0.011	2.03E-04	23385.3	1.4417	1.86E-01	1.10283	228.068
305.72	273.083	90.3878	0.0111	2.03E-04	23382	1.4418	1.86E-01	1.10283	228.063
305.22	273.031	90.1725	0.0111	2.03E-04	23378.7	1.4418	1.86E-01	1.10283	228.058
304.72	272.979	89.9576	0.0111	2.03E-04	23375.4	1.4418	1.86E-01	1.10283	228.053
304.22	272.927	89.7432	0.0111	2.03E-04	23372.1	1.4418	1.86E-01	1.10283	228.048
303.72	272.875	89.5293	0.0112	2.03E-04	23368.8	1.4419	1.86E-01	1.10283	228.043
302.72	272.77	89.1026	0.0112	2.03E-04	23362.2	1.4419	1.87E-01	1.10284	228.034
302.22	272.718	88.89	0.0112	2.03E-04	23358.9	1.4419	1.87E-01	1.10284	228.029
301.72	272.666	88.6777	0.0113	2.03E-04	23355.6	1.442	1.87E-01	1.10284	228.024
301.22	272.613	88.4659	0.0113	2.03E-04	23352.3	1.442	1.87E-01	1.10284	228.019
300.72	272.561	88.2546	0.0113	2.03E-04	23349	1.442	1.88E-01	1.10284	228.014
300.22	272.508	88.0436	0.0114	2.03E-04	23345.7	1.442	1.88E-01	1.10284	228.009
299.72	272.455	87.8331	0.0114	2.03E-04	23342.4	1.442	1.88E-01	1.10284	228.004
299.22	272.403	87.6231	0.0114	2.03E-04	23339.1	1.4421	1.88E-01	1.10284	227.999
298.72	272.35	87.4134	0.0114	2.03E-04	23335.8	1.4421	1.88E-01	1.10284	227.993
298.22	272.297	87.2042	0.0115	2.03E-04	23332.5	1.4421	1.88E-01	1.10284	227.988
297.72	272.244	86.9954	0.0115	2.03E-04	23329.2	1.4421	1.89E-01	1.10284	227.983
297.22	272.191	86.787	0.0115	2.03E-04	23325.9	1.4421	1.89E-01	1.10284	227.978
296.72	272.138	86.5791	0.0116	2.03E-04	23322.6	1.4422	1.89E-01	1.10284	227.973
296.22	272.084	86.3715	0.0116	2.03E-04	23319.2	1.4422	1.89E-01	1.10284	227.967
295.72	272.031	86.1644	0.0116	2.03E-04	23315.9	1.4422	1.89E-01	1.10284	227.962
295.22	271.978	85.9577	0.0116	2.03E-04	23312.6	1.4422	1.90E-01	1.10284	227.957
294.72	271.924	85.7514	0.0117	2.03E-04	23309.3	1.4422	1.90E-01	1.10284	227.951
294.22	271.871	85.5456	0.0117	2.03E-04	23306	1.4422	1.90E-01	1.10284	227.946
293.72	271.817	85.3401	0.0117	2.03E-04	23302.6	1.4423	1.90E-01	1.10284	227.941
293.22	271.763	85.1351	0.0117	2.03E-04	23299.3	1.4423	1.90E-01	1.10284	227.935
292.72	271.71	84.9305	0.0118	2.03E-04	23296	1.4423	1.90E-01	1.10284	227.93
292.22	271.656	84.7262	0.0118	2.03E-04	23292.7	1.4423	1.91E-01	1.10284	227.924
291.72	271.602	84.5224	0.0118	2.03E-04	23289.3	1.4423	1.91E-01	1.10284	227.919
291.22	271.548	84.319	0.0119	2.03E-04	23286	1.4423	1.91E-01	1.10284	227.913
290.72	271.494	84.1161	0.0119	2.03E-04	23282.7	1.4423	1.91E-01	1.10284	227.908
290.22	271.439	83.9135	0.0119	2.03E-04	23279.3	1.4423	1.91E-01	1.10283	227.902
289.72	271.385	83.7113	0.0119	2.03E-04	23276	1.4424	1.91E-01	1.10283	227.896
289.22	271.331	83.5095	0.012	2.04E-04	23272.6	1.4424	1.92E-01	1.10283	227.891
288.72	271.276	83.3082	0.012	2.04E-04	23269.3	1.4424	1.92E-01	1.10283	227.885
288.22	271.222	83.1072	0.012	2.04E-04	23265.9	1.4424	1.92E-01	1.10283	227.879
287.72	271.167	82.9066	0.0121	2.04E-04	23262.6	1.4424	1.92E-01	1.10283	227.874
287.22	271.112	82.7065	0.0121	2.04E-04	23259.3	1.4424	1.92E-01	1.10283	227.868
286.72	271.058	82.5067	0.0121	2.04E-04	23255.9	1.4424	1.92E-01	1.10283	227.862
286.22	271.003	82.3073	0.0121	2.04E-04	23252.5	1.4424	1.93E-01	1.10282	227.856
285.72	270.948	82.1083	0.0122	2.04E-04	23249.2	1.4424	1.93E-01	1.10282	227.85
285.22	270.893	81.9098	0.0122	2.04E-04	23245.8	1.4424	1.93E-01	1.10282	227.844
284.72	270.838	81.7116	0.0122	2.04E-04	23242.5	1.4424	1.93E-01	1.10282	227.839

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
284.22	270.782	81.5138	0.0123	2.04E-04	23239.1	1.4424	1.93E-01	1.10282	227.833
283.72	270.727	81.3164	0.0123	2.04E-04	23235.7	1.4424	1.94E-01	1.10281	227.827
283.22	270.672	81.1193	0.0123	2.04E-04	23232.4	1.4424	1.94E-01	1.10281	227.821
282.72	270.616	80.9227	0.0124	2.04E-04	23229	1.4424	1.94E-01	1.10281	227.814
282.22	270.561	80.7265	0.0124	2.04E-04	23225.6	1.4424	1.94E-01	1.10281	227.808
281.72	270.505	80.5306	0.0124	2.04E-04	23222.3	1.4425	1.94E-01	1.1028	227.802
281.22	270.449	80.3352	0.0124	2.04E-04	23218.9	1.4425	1.94E-01	1.1028	227.796
280.72	270.393	80.1401	0.0125	2.04E-04	23215.5	1.4425	1.95E-01	1.1028	227.79
280.22	270.338	79.9454	0.0125	2.04E-04	23212.1	1.4425	1.95E-01	1.1028	227.784
279.72	270.282	79.7511	0.0125	2.04E-04	23208.7	1.4425	1.95E-01	1.10279	227.777
279.22	270.225	79.5572	0.0126	2.04E-04	23205.3	1.4425	1.95E-01	1.10279	227.771
278.72	270.169	79.3636	0.0126	2.04E-04	23202	1.4425	1.95E-01	1.10279	227.765
278.22	270.113	79.1704	0.0126	2.04E-04	23198.6	1.4425	1.95E-01	1.10278	227.758
277.72	270.057	78.9776	0.0127	2.04E-04	23195.2	1.4425	1.96E-01	1.10278	227.752
277.22	270	78.7852	0.0127	2.04E-04	23191.8	1.4425	1.96E-01	1.10278	227.746
276.72	269.944	78.5932	0.0127	2.04E-04	23188.4	1.4425	1.96E-01	1.10277	227.739
276.22	269.887	78.4015	0.0128	2.04E-04	23185	1.4425	1.96E-01	1.10277	227.733
275.22	269.774	78.0193	0.0128	2.04E-04	23178.1	1.4425	1.96E-01	1.10276	227.72
274.72	269.717	77.8288	0.0128	2.04E-04	23174.7	1.4425	1.97E-01	1.10276	227.713
274.22	269.66	77.6386	0.0129	2.04E-04	23171.3	1.4425	1.97E-01	1.10275	227.706
273.72	269.603	77.4488	0.0129	2.04E-04	23167.9	1.4425	1.97E-01	1.10275	227.7
273.22	269.545	77.2594	0.0129	2.04E-04	23164.5	1.4425	1.97E-01	1.10275	227.693
272.72	269.488	77.0703	0.013	2.04E-04	23161	1.4425	1.97E-01	1.10274	227.686
272.22	269.431	76.8816	0.013	2.05E-04	23157.6	1.4425	1.97E-01	1.10274	227.679
271.72	269.373	76.6933	0.013	2.05E-04	23154.2	1.4425	1.98E-01	1.10273	227.673
271.22	269.316	76.5053	0.0131	2.05E-04	23150.7	1.4425	1.98E-01	1.10273	227.666
270.72	269.258	76.3177	0.0131	2.05E-04	23147.3	1.4425	1.98E-01	1.10272	227.659
270.22	269.2	76.1305	0.0131	2.05E-04	23143.8	1.4426	1.98E-01	1.10272	227.652
269.72	269.143	75.9436	0.0132	2.05E-04	23140.4	1.4426	1.98E-01	1.10271	227.645
269.22	269.085	75.7571	0.0132	2.05E-04	23136.9	1.4426	1.98E-01	1.10271	227.638
268.72	269.027	75.571	0.0132	2.05E-04	23133.5	1.4426	1.99E-01	1.1027	227.631
268.22	268.969	75.3852	0.0133	2.05E-04	23130	1.4426	1.99E-01	1.1027	227.624
267.72	268.91	75.1997	0.0133	2.05E-04	23126.6	1.4426	1.99E-01	1.10269	227.617
267.22	268.852	75.0147	0.0133	2.05E-04	23123.1	1.4426	1.99E-01	1.10268	227.61
266.72	268.794	74.8299	0.0134	2.05E-04	23119.6	1.4426	1.99E-01	1.10268	227.602
266.22	268.735	74.6456	0.0134	2.05E-04	23116.2	1.4427	1.99E-01	1.10267	227.595
265.72	268.677	74.4616	0.0134	2.05E-04	23112.7	1.4427	1.99E-01	1.10267	227.588
265.22	268.618	74.2779	0.0135	2.05E-04	23109.2	1.4427	2.00E-01	1.10266	227.581
264.72	268.559	74.0946	0.0135	2.05E-04	23105.7	1.4427	2.00E-01	1.10265	227.573
264.22	268.5	73.9117	0.0135	2.05E-04	23102.2	1.4427	2.00E-01	1.10265	227.566
263.72	268.441	73.7291	0.0136	2.05E-04	23098.7	1.4427	2.00E-01	1.10264	227.558
263.22	268.382	73.5468	0.0136	2.05E-04	23095.2	1.4428	2.00E-01	1.10263	227.551
262.72	268.323	73.3649	0.0136	2.05E-04	23091.7	1.4428	2.00E-01	1.10263	227.543
262.22	268.264	73.1834	0.0137	2.05E-04	23088.2	1.4428	2.01E-01	1.10262	227.536
261.72	268.204	73.0022	0.0137	2.05E-04	23084.7	1.4428	2.01E-01	1.10261	227.528
261.22	268.145	72.8213	0.0137	2.05E-04	23081.2	1.4428	2.01E-01	1.10261	227.521
260.72	268.085	72.6408	0.0138	2.05E-04	23077.7	1.4429	2.01E-01	1.1026	227.513
260.22	268.025	72.4607	0.0138	2.05E-04	23074.2	1.4429	2.01E-01	1.10259	227.505
259.72	267.966	72.2808	0.0138	2.05E-04	23070.6	1.4429	2.01E-01	1.10258	227.497
259.22	267.906	72.1014	0.0139	2.05E-04	23067.1	1.4429	2.02E-01	1.10257	227.49
258.72	267.846	71.9222	0.0139	2.05E-04	23063.6	1.4429	2.02E-01	1.10257	227.482
258.22	267.786	71.7434	0.0139	2.05E-04	23060	1.443	2.02E-01	1.10256	227.474

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
257.72	267.725	71.565	0.014	2.05E-04	23056.5	1.443	2.02E-01	1.10255	227.466
257.22	267.665	71.3869	0.014	2.05E-04	23052.9	1.443	2.02E-01	1.10254	227.458
256.72	267.605	71.2091	0.014	2.05E-04	23049.4	1.443	2.02E-01	1.10253	227.45
256.22	267.544	71.0316	0.0141	2.06E-04	23045.8	1.4431	2.02E-01	1.10252	227.442
255.72	267.484	70.8545	0.0141	2.06E-04	23042.2	1.4431	2.03E-01	1.10252	227.434
255.22	267.423	70.6778	0.0141	2.06E-04	23038.7	1.4431	2.03E-01	1.10251	227.425
254.72	267.362	70.5014	0.0142	2.06E-04	23035.1	1.4431	2.03E-01	1.1025	227.417
254.22	267.301	70.3253	0.0142	2.06E-04	23031.5	1.4432	2.03E-01	1.10249	227.409
253.72	267.24	70.1495	0.0143	2.06E-04	23027.9	1.4432	2.03E-01	1.10248	227.401
253.22	267.179	69.9741	0.0143	2.06E-04	23024.3	1.4432	2.03E-01	1.10247	227.392
252.72	267.118	69.799	0.0143	2.06E-04	23020.7	1.4432	2.04E-01	1.10246	227.384
252.22	267.056	69.6242	0.0144	2.06E-04	23017.1	1.4433	2.04E-01	1.10245	227.375
251.72	266.995	69.4498	0.0144	2.06E-04	23013.5	1.4433	2.04E-01	1.10244	227.367
251.22	266.933	69.2757	0.0144	2.06E-04	23009.9	1.4433	2.04E-01	1.10243	227.358
250.72	266.872	69.1019	0.0145	2.06E-04	23006.3	1.4434	2.04E-01	1.10242	227.35
250.22	266.81	68.9284	0.0145	2.06E-04	23002.7	1.4434	2.04E-01	1.10241	227.341
249.72	266.748	68.7553	0.0145	2.06E-04	22999	1.4434	2.04E-01	1.1024	227.332
249.22	266.686	68.5825	0.0146	2.06E-04	22995.4	1.4435	2.05E-01	1.10239	227.324
248.72	266.624	68.4101	0.0146	2.06E-04	22991.8	1.4435	2.05E-01	1.10238	227.315
247.72	266.499	68.0661	0.0147	2.06E-04	22984.5	1.4436	2.05E-01	1.10235	227.297
247.22	266.437	67.8946	0.0147	2.06E-04	22980.8	1.4436	2.05E-01	1.10234	227.288
246.72	266.374	67.7234	0.0148	2.06E-04	22977.1	1.4436	2.05E-01	1.10233	227.279
246.22	266.312	67.5526	0.0148	2.06E-04	22973.5	1.4437	2.06E-01	1.10232	227.27
245.72	266.249	67.382	0.0148	2.06E-04	22969.8	1.4437	2.06E-01	1.10231	227.261
245.22	266.186	67.2118	0.0149	2.06E-04	22966.1	1.4437	2.06E-01	1.10229	227.252
244.72	266.123	67.0419	0.0149	2.06E-04	22962.4	1.4438	2.06E-01	1.10228	227.243
244.22	266.06	66.8723	0.015	2.06E-04	22958.7	1.4438	2.06E-01	1.10227	227.233
243.72	265.996	66.7031	0.015	2.06E-04	22955	1.4438	2.06E-01	1.10226	227.224
243.22	265.933	66.5341	0.015	2.06E-04	22951.3	1.4439	2.06E-01	1.10224	227.215
242.72	265.87	66.3655	0.0151	2.06E-04	22947.6	1.4439	2.07E-01	1.10223	227.205
242.22	265.806	66.1972	0.0151	2.06E-04	22943.9	1.444	2.07E-01	1.10222	227.196
241.72	265.742	66.0292	0.0151	2.06E-04	22940.1	1.444	2.07E-01	1.1022	227.186
241.22	265.679	65.8615	0.0152	2.06E-04	22936.4	1.444	2.07E-01	1.10219	227.177
240.72	265.615	65.6941	0.0152	2.07E-04	22932.7	1.4441	2.07E-01	1.10218	227.167
240.22	265.551	65.5271	0.0153	2.07E-04	22928.9	1.4441	2.07E-01	1.10216	227.157
239.72	265.486	65.3603	0.0153	2.07E-04	22925.2	1.4442	2.07E-01	1.10215	227.148
239.22	265.422	65.1939	0.0153	2.07E-04	22921.4	1.4442	2.08E-01	1.10213	227.138
238.72	265.358	65.0278	0.0154	2.07E-04	22917.6	1.4442	2.08E-01	1.10212	227.128
238.22	265.293	64.8619	0.0154	2.07E-04	22913.9	1.4443	2.08E-01	1.1021	227.118
237.72	265.228	64.6964	0.0155	2.07E-04	22910.1	1.4443	2.08E-01	1.10209	227.108
237.22	265.164	64.5312	0.0155	2.07E-04	22906.3	1.4444	2.08E-01	1.10207	227.098
236.72	265.099	64.3663	0.0155	2.07E-04	22902.5	1.4444	2.08E-01	1.10206	227.088
236.22	265.034	64.2018	0.0156	2.07E-04	22898.7	1.4445	2.08E-01	1.10204	227.078
235.72	264.969	64.0375	0.0156	2.07E-04	22894.9	1.4445	2.09E-01	1.10203	227.068
235.22	264.903	63.8735	0.0157	2.07E-04	22891.1	1.4446	2.09E-01	1.10201	227.057
234.72	264.838	63.7098	0.0157	2.07E-04	22887.2	1.4446	2.09E-01	1.10199	227.047
234.22	264.773	63.5465	0.0157	2.07E-04	22883.4	1.4447	2.09E-01	1.10198	227.037
233.72	264.707	63.3834	0.0158	2.07E-04	22879.6	1.4447	2.09E-01	1.10196	227.026
233.22	264.641	63.2206	0.0158	2.07E-04	22875.7	1.4447	2.09E-01	1.10194	227.016
232.72	264.575	63.0582	0.0159	2.07E-04	22871.8	1.4448	2.09E-01	1.10193	227.005
232.22	264.509	62.896	0.0159	2.07E-04	22868	1.4448	2.10E-01	1.10191	226.994
231.72	264.443	62.7342	0.0159	2.07E-04	22864.1	1.4449	2.10E-01	1.10189	226.984

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
231.22	264.377	62.5726	0.016	2.07E-04	22860.2	1.4449	2.10E-01	1.10187	226.973
230.72	264.311	62.4113	0.016	2.07E-04	22856.3	1.445	2.10E-01	1.10186	226.962
230.22	264.244	62.2504	0.0161	2.07E-04	22852.4	1.445	2.10E-01	1.10184	226.951
229.72	264.177	62.0897	0.0161	2.07E-04	22848.5	1.4451	2.10E-01	1.10182	226.94
229.22	264.111	61.9293	0.0161	2.07E-04	22844.6	1.4452	2.10E-01	1.1018	226.929
228.72	264.044	61.7693	0.0162	2.07E-04	22840.7	1.4452	2.10E-01	1.10178	226.918
228.22	263.977	61.6095	0.0162	2.07E-04	22836.8	1.4453	2.11E-01	1.10176	226.907
227.72	263.91	61.45	0.0163	2.07E-04	22832.8	1.4453	2.11E-01	1.10174	226.896
227.22	263.842	61.2908	0.0163	2.07E-04	22828.9	1.4454	2.11E-01	1.10172	226.885
226.72	263.775	61.1319	0.0164	2.08E-04	22824.9	1.4454	2.11E-01	1.1017	226.873
226.22	263.707	60.9733	0.0164	2.08E-04	22820.9	1.4455	2.11E-01	1.10168	226.862
225.72	263.64	60.815	0.0164	2.08E-04	22817	1.4455	2.11E-01	1.10166	226.85
225.22	263.572	60.657	0.0165	2.08E-04	22813	1.4456	2.11E-01	1.10164	226.839
224.72	263.504	60.4993	0.0165	2.08E-04	22809	1.4456	2.12E-01	1.10162	226.827
224.22	263.436	60.3418	0.0166	2.08E-04	22805	1.4457	2.12E-01	1.1016	226.815
223.72	263.368	60.1847	0.0166	2.08E-04	22801	1.4458	2.12E-01	1.10158	226.804
223.22	263.299	60.0278	0.0167	2.08E-04	22796.9	1.4458	2.12E-01	1.10156	226.792
222.72	263.231	59.8713	0.0167	2.08E-04	22792.9	1.4459	2.12E-01	1.10154	226.78
222.22	263.162	59.715	0.0167	2.08E-04	22788.9	1.4459	2.12E-01	1.10152	226.768
221.72	263.093	59.559	0.0168	2.08E-04	22784.8	1.446	2.12E-01	1.10149	226.756
221.22	263.024	59.4033	0.0168	2.08E-04	22780.8	1.4461	2.12E-01	1.10147	226.744
220.22	262.886	59.0927	0.0169	2.08E-04	22772.6	1.4462	2.13E-01	1.10143	226.719
219.72	262.817	58.9379	0.017	2.08E-04	22768.5	1.4462	2.13E-01	1.1014	226.707
219.22	262.748	58.7833	0.017	2.08E-04	22764.4	1.4463	2.13E-01	1.10138	226.695
218.72	262.678	58.629	0.0171	2.08E-04	22760.3	1.4464	2.13E-01	1.10135	226.682
218.22	262.608	58.475	0.0171	2.08E-04	22756.2	1.4464	2.13E-01	1.10133	226.669
217.72	262.538	58.3213	0.0171	2.08E-04	22752.1	1.4465	2.13E-01	1.10131	226.657
217.22	262.468	58.1678	0.0172	2.08E-04	22747.9	1.4466	2.13E-01	1.10128	226.644
216.72	262.398	58.0147	0.0172	2.08E-04	22743.8	1.4466	2.14E-01	1.10126	226.631
216.22	262.328	57.8618	0.0173	2.08E-04	22739.6	1.4467	2.14E-01	1.10123	226.618
215.72	262.257	57.7092	0.0173	2.08E-04	22735.4	1.4468	2.14E-01	1.10121	226.605
215.22	262.187	57.5569	0.0174	2.08E-04	22731.2	1.4468	2.14E-01	1.10118	226.592
214.72	262.116	57.4049	0.0174	2.08E-04	22727	1.4469	2.14E-01	1.10115	226.579
214.22	262.045	57.2531	0.0175	2.08E-04	22722.8	1.447	2.14E-01	1.10113	226.566
213.72	261.974	57.1016	0.0175	2.08E-04	22718.6	1.447	2.14E-01	1.1011	226.553
213.22	261.903	56.9504	0.0176	2.09E-04	22714.4	1.4471	2.14E-01	1.10107	226.539
212.72	261.832	56.7995	0.0176	2.09E-04	22710.2	1.4472	2.14E-01	1.10105	226.526
212.22	261.76	56.6488	0.0177	2.09E-04	22705.9	1.4472	2.15E-01	1.10102	226.512
211.72	261.689	56.4985	0.0177	2.09E-04	22701.6	1.4473	2.15E-01	1.10099	226.499
211.22	261.617	56.3484	0.0177	2.09E-04	22697.4	1.4474	2.15E-01	1.10096	226.485
210.72	261.545	56.1985	0.0178	2.09E-04	22693.1	1.4474	2.15E-01	1.10094	226.471
210.22	261.473	56.049	0.0178	2.09E-04	22688.8	1.4475	2.15E-01	1.10091	226.458
209.72	261.401	55.8997	0.0179	2.09E-04	22684.5	1.4476	2.15E-01	1.10088	226.444
209.22	261.328	55.7507	0.0179	2.09E-04	22680.1	1.4477	2.15E-01	1.10085	226.43
208.72	261.256	55.602	0.018	2.09E-04	22675.8	1.4477	2.15E-01	1.10082	226.415
208.22	261.183	55.4535	0.018	2.09E-04	22671.5	1.4478	2.16E-01	1.10079	226.401
207.72	261.11	55.3053	0.0181	2.09E-04	22667.1	1.4479	2.16E-01	1.10076	226.387
207.22	261.037	55.1574	0.0181	2.09E-04	22662.7	1.448	2.16E-01	1.10073	226.373
206.72	260.964	55.0097	0.0182	2.09E-04	22658.3	1.448	2.16E-01	1.1007	226.358
206.22	260.891	54.8624	0.0182	2.09E-04	22653.9	1.4481	2.16E-01	1.10067	226.343
205.72	260.817	54.7153	0.0183	2.09E-04	22649.5	1.4482	2.16E-01	1.10064	226.329
205.22	260.744	54.5684	0.0183	2.09E-04	22645.1	1.4483	2.16E-01	1.1006	226.314

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac.	Entropy	Enthalpy
204.72	260.67	54.4218	0.0184	2.09E-04	22640.7	1.4483	2.16E-01	1.10057	226.299
204.22	260.596	54.2755	0.0184	2.09E-04	22636.2	1.4484	2.16E-01	1.10054	226.284
203.72	260.522	54.1295	0.0185	2.09E-04	22631.8	1.4485	2.17E-01	1.10051	226.269
203.22	260.448	53.9837	0.0185	2.09E-04	22627.3	1.4486	2.17E-01	1.10047	226.254
202.72	260.373	53.8382	0.0186	2.09E-04	22622.8	1.4486	2.17E-01	1.10044	226.239
202.22	260.299	53.693	0.0186	2.09E-04	22618.3	1.4487	2.17E-01	1.10041	226.224
201.72	260.224	53.548	0.0187	2.09E-04	22613.8	1.4488	2.17E-01	1.10037	226.208
201.22	260.149	53.4033	0.0187	2.09E-04	22609.2	1.4489	2.17E-01	1.10034	226.193
200.72	260.074	53.2588	0.0188	2.10E-04	22604.7	1.449	2.17E-01	1.1003	226.177
200.22	259.999	53.1146	0.0188	2.10E-04	22600.1	1.4491	2.17E-01	1.10027	226.161
199.72	259.923	52.9707	0.0189	2.10E-04	22595.6	1.4491	0.2173	1.10023	226.146

Program Result for R-12 Refrigerant (Case 2)

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
858	305.8	1283.2	7.79E-04	1.74E-04	30601	0	0	1.1082	231.72
796.79	305.8	2438.86	4.11E-04	1.70E-04	31258.9	0.549	0	1.1082	231.71
796.39	305.246	2413.96	4.14E-04	1.70E-04	31252.1	0.5569	-0.016814	1.11119	231.921
795.99	305.228	2389.06	4.19E-04	1.71E-04	31245.7	0.5634	-0.016603	1.11118	231.921
795.59	305.211	2364.65	4.23E-04	1.71E-04	31239.4	0.5699	-0.016392	1.11118	231.921
795.19	305.193	2340.72	4.27E-04	1.71E-04	31233.1	0.5763	-0.016181	1.11117	231.921
794.79	305.175	2317.25	4.32E-04	1.71E-04	31226.7	0.5827	-0.01597	1.11116	231.921
794.39	305.157	2294.22	4.36E-04	1.71E-04	31220.4	0.589	-0.015759	1.11115	231.921
793.99	305.139	2271.63	4.40E-04	1.71E-04	31214.1	0.5952	-0.015548	1.11115	231.921
793.59	305.121	2249.47	4.45E-04	1.71E-04	31207.8	0.6014	-0.015337	1.11114	231.921
793.19	305.103	2227.71	4.49E-04	1.71E-04	31201.5	0.6075	-0.015127	1.11113	231.921
792.79	305.085	2206.36	4.53E-04	1.71E-04	31195.2	0.6135	-0.014916	1.11112	231.921
792.39	305.067	2185.4	4.58E-04	1.71E-04	31188.9	0.6195	-0.014705	1.11111	231.921
791.99	305.049	2164.81	4.62E-04	1.71E-04	31182.6	0.6255	-0.014495	1.11111	231.921
791.59	305.031	2144.59	4.66E-04	1.71E-04	31176.4	0.6313	-0.014284	1.1111	231.921
791.19	305.013	2124.74	4.71E-04	1.71E-04	31170.1	0.6372	-0.014074	1.11109	231.921
790.79	304.995	2105.23	4.75E-04	1.71E-04	31163.8	0.6429	-0.013863	1.11108	231.921
790.39	304.977	2086.06	4.79E-04	1.71E-04	31157.6	0.6486	-0.013653	1.11107	231.921
789.99	304.959	2067.22	4.84E-04	1.71E-04	31151.3	0.6543	-0.013443	1.11107	231.921
789.59	304.941	2048.71	4.88E-04	1.71E-04	31145.1	0.6599	-0.013232	1.11106	231.921
789.19	304.923	2030.51	4.92E-04	1.71E-04	31138.9	0.6655	-0.013022	1.11105	231.921
788.79	304.905	2012.61	4.97E-04	1.71E-04	31132.6	0.671	-0.012812	1.11104	231.921
788.39	304.887	1995.02	5.01E-04	1.71E-04	31126.4	0.6764	-0.012602	1.11104	231.921
787.99	304.869	1977.71	5.06E-04	1.71E-04	31120.2	0.6818	-0.012392	1.11103	231.921
787.59	304.851	1960.69	5.10E-04	1.71E-04	31114	0.6872	-0.012182	1.11102	231.921
787.19	304.833	1943.95	5.14E-04	1.71E-04	31107.8	0.6925	-0.011972	1.11101	231.92
786.79	304.815	1927.48	5.19E-04	1.71E-04	31101.6	0.6978	-0.011762	1.11101	231.92
786.39	304.797	1911.28	5.23E-04	1.71E-04	31095.4	0.703	-0.011552	1.111	231.92
785.99	304.779	1895.33	5.28E-04	1.71E-04	31089.2	0.7082	-0.011343	1.11099	231.92
785.59	304.76	1879.63	5.32E-04	1.71E-04	31083	0.7133	-0.011133	1.11098	231.92
785.19	304.742	1864.18	5.36E-04	1.71E-04	31076.8	0.7184	-0.010923	1.11098	231.92
784.79	304.724	1848.97	5.41E-04	1.71E-04	31070.7	0.7235	-0.010714	1.11097	231.92
784.39	304.706	1833.99	5.45E-04	1.72E-04	31064.5	0.7285	-0.010504	1.11096	231.92
783.99	304.688	1819.24	5.50E-04	1.72E-04	31058.4	0.7335	-0.010294	1.11095	231.92
783.59	304.67	1804.72	5.54E-04	1.72E-04	31052.2	0.7384	-0.010085	1.11095	231.92
783.19	304.652	1790.41	5.59E-04	1.72E-04	31046.1	0.7433	-0.009875	1.11094	231.92
782.79	304.633	1776.32	5.63E-04	1.72E-04	31039.9	0.7481	-0.009666	1.11093	231.92
782.39	304.615	1762.44	5.67E-04	1.72E-04	31033.8	0.7529	-0.009457	1.11092	231.92
781.99	304.597	1748.76	5.72E-04	1.72E-04	31027.7	0.7577	-0.009247	1.11092	231.92
781.59	304.579	1735.28	5.76E-04	1.72E-04	31021.6	0.7624	-0.009038	1.11091	231.92
781.19	304.561	1722	5.81E-04	1.72E-04	31015.4	0.7671	-0.008829	1.1109	231.92
780.79	304.543	1708.91	5.85E-04	1.72E-04	31009.3	0.7718	-0.00862	1.1109	231.92
780.39	304.524	1696.01	5.90E-04	1.72E-04	31003.2	0.7764	-0.008411	1.11089	231.92
779.99	304.506	1683.29	5.94E-04	1.72E-04	30997.1	0.781	-0.008202	1.11088	231.92
779.59	304.488	1670.74	5.99E-04	1.72E-04	30991	0.7855	-0.007993	1.11087	231.92
779.19	304.47	1658.38	6.03E-04	1.72E-04	30985	0.7901	-0.007784	1.11087	231.92
778.79	304.451	1646.19	6.07E-04	1.72E-04	30978.9	0.7946	-0.007575	1.11086	231.92
778.39	304.433	1634.16	6.12E-04	1.72E-04	30972.8	0.799	-0.007366	1.11085	231.92
777.99	304.415	1622.3	6.16E-04	1.72E-04	30966.8	0.8034	-0.007158	1.11085	231.92
777.59	304.397	1610.6	6.21E-04	1.72E-04	30960.7	0.8078	-0.006949	1.11084	231.92
777.19	304.378	1599.06	6.25E-04	1.72E-04	30954.6	0.8122	-0.00674	1.11083	231.92
776.79	304.36	1587.68	6.30E-04	1.72E-04	30948.6	0.8165	-0.006532	1.11082	231.92
776.39	304.342	1576.45	6.34E-04	1.72E-04	30942.6	0.8208	-0.006323	1.11082	231.919
775.99	304.323	1565.36	6.39E-04	1.72E-04	30936.5	0.825	-0.006115	1.11081	231.919
775.59	304.305	1554.43	6.43E-04	1.72E-04	30930.5	0.8293	-0.005906	1.1108	231.919
775.19	304.287	1543.63	6.48E-04	1.72E-04	30924.5	0.8335	-0.005698	1.1108	231.919
774.79	304.268	1532.98	6.52E-04	1.72E-04	30918.4	0.8376	-0.005489	1.11079	231.919
774.39	304.25	1522.46	6.57E-04	1.72E-04	30912.4	0.8418	-0.005281	1.11078	231.919

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
773.99	304.232	1512.08	6.61E-04	1.72E-04	30906.4	0.8459	-0.005073	1.11078	231.919
773.59	304.213	1501.83	6.66E-04	1.72E-04	30900.4	0.85	-0.004865	1.11077	231.919
773.19	304.195	1491.71	6.70E-04	1.72E-04	30894.4	0.854	-0.004656	1.11076	231.919
772.79	304.177	1481.72	6.75E-04	1.72E-04	30888.4	0.858	-0.004448	1.11076	231.919
772.39	304.158	1471.85	6.79E-04	1.73E-04	30882.5	0.862	-0.00424	1.11075	231.919
771.99	304.14	1462.11	6.84E-04	1.73E-04	30876.5	0.866	-0.004032	1.11074	231.919
771.59	304.122	1452.48	6.88E-04	1.73E-04	30870.5	0.8699	-0.003824	1.11074	231.919
771.19	304.103	1442.98	6.93E-04	1.73E-04	30864.6	0.8739	-0.003617	1.11073	231.919
770.79	304.085	1433.59	6.98E-04	1.73E-04	30858.6	0.8778	-0.003409	1.11072	231.919
770.39	304.066	1424.31	7.02E-04	1.73E-04	30852.6	0.8816	-0.003201	1.11072	231.919
769.99	304.048	1415.15	7.07E-04	1.73E-04	30846.7	0.8855	-0.002993	1.11071	231.919
769.59	304.029	1406.1	7.11E-04	1.73E-04	30840.8	0.8893	-0.002785	1.1107	231.919
769.19	304.011	1397.15	7.16E-04	1.73E-04	30834.8	0.8931	-0.002578	1.1107	231.919
768.79	303.993	1388.31	7.20E-04	1.73E-04	30828.9	0.8968	-0.00237	1.11069	231.919
768.39	303.974	1379.57	7.25E-04	1.73E-04	30823	0.9006	-0.002163	1.11068	231.919
767.99	303.956	1370.94	7.29E-04	1.73E-04	30817.1	0.9043	-0.001955	1.11068	231.919
767.59	303.937	1362.41	7.34E-04	1.73E-04	30811.1	0.908	-0.001748	1.11067	231.919
767.19	303.919	1353.97	7.39E-04	1.73E-04	30805.2	0.9116	-0.00154	1.11066	231.918
766.79	303.9	1345.63	7.43E-04	1.73E-04	30799.3	0.9153	-0.001333	1.11066	231.918
766.39	303.882	1337.39	7.48E-04	1.73E-04	30793.4	0.9189	-0.001126	1.11065	231.918
765.99	303.863	1329.24	7.52E-04	1.73E-04	30787.5	0.9225	-0.000919	1.11064	231.918
765.59	303.845	1321.19	7.57E-04	1.73E-04	30781.7	0.9261	-0.000711	1.11064	231.918
765.19	303.826	1313.22	7.61E-04	1.73E-04	30775.8	0.9296	-0.000504	1.11063	231.918
764.79	303.808	1305.34	7.66E-04	1.73E-04	30769.9	0.9332	-0.000297	1.11062	231.918
764.39	303.789	1297.55	7.71E-04	1.73E-04	30764.1	0.9367	-9.02E-05	1.11062	231.918
763.99	303.77	1289.85	7.75E-04	1.73E-04	30758.2	0.9402	0.000117	1.11061	231.918
763.59	303.752	1282.23	7.80E-04	1.73E-04	30752.3	0.9436	0.000324	1.11061	231.918
763.19	303.733	1274.7	7.85E-04	1.73E-04	30746.5	0.9471	0.000531	1.1106	231.918
762.79	303.715	1267.24	7.89E-04	1.73E-04	30740.6	0.9505	0.000737	1.11059	231.918
762.39	303.696	1259.87	7.94E-04	1.73E-04	30734.8	0.9539	0.000944	1.11059	231.918
761.99	303.678	1252.58	7.98E-04	1.73E-04	30729	0.9573	0.001151	1.11058	231.918
761.59	303.659	1245.36	8.03E-04	1.73E-04	30723.2	0.9607	0.001358	1.11057	231.918
761.19	303.64	1238.22	8.08E-04	1.73E-04	30717.3	0.964	0.001564	1.11057	231.918
760.79	303.622	1231.16	8.12E-04	1.73E-04	30711.5	0.9673	0.001771	1.11056	231.918
760.39	303.603	1224.17	8.17E-04	1.74E-04	30705.7	0.9706	0.001977	1.11056	231.918
759.99	303.584	1217.26	8.22E-04	1.74E-04	30699.9	0.9739	0.002184	1.11055	231.918
759.59	303.566	1210.41	8.26E-04	1.74E-04	30694.1	0.9772	0.00239	1.11054	231.917
759.19	303.547	1203.64	8.31E-04	1.74E-04	30688.3	0.9804	0.002596	1.11054	231.917
758.79	303.528	1196.94	8.35E-04	1.74E-04	30682.5	0.9837	0.002803	1.11053	231.917
758.39	303.51	1190.3	8.40E-04	1.74E-04	30676.8	0.9869	0.003009	1.11053	231.917
757.99	303.491	1183.74	8.45E-04	1.74E-04	30671	0.9901	0.003215	1.11052	231.917
757.59	303.472	1177.24	8.49E-04	1.74E-04	30665.2	0.9933	0.003421	1.11051	231.917
757.19	303.454	1170.8	8.54E-04	1.74E-04	30659.4	0.9964	0.003628	1.11051	231.917
756.79	303.435	1164.43	8.59E-04	1.74E-04	30653.7	0.9995	0.003834	1.1105	231.917
756.39	303.416	1158.13	8.63E-04	1.74E-04	30647.9	1.0027	0.00404	1.1105	231.917
755.99	303.397	1151.89	8.68E-04	1.74E-04	30642.2	1.0058	0.004246	1.11049	231.917
755.59	303.379	1145.71	8.73E-04	1.74E-04	30636.5	1.0089	0.004451	1.11048	231.917
755.19	303.36	1139.58	8.78E-04	1.74E-04	30630.7	1.0119	0.004657	1.11048	231.917
754.79	303.341	1133.52	8.82E-04	1.74E-04	30625	1.015	0.004863	1.11047	231.917
754.39	303.322	1127.52	8.87E-04	1.74E-04	30619.3	1.018	0.005069	1.11047	231.917
753.99	303.304	1121.58	8.92E-04	1.74E-04	30613.5	1.021	0.005275	1.11046	231.917
753.59	303.285	1115.7	8.96E-04	1.74E-04	30607.8	1.024	0.00548	1.11045	231.917
753.19	303.266	1109.87	9.01E-04	1.74E-04	30602.1	1.027	0.005686	1.11045	231.917
752.79	303.247	1104.09	9.06E-04	1.74E-04	30596.4	1.03	0.005891	1.11044	231.917
752.39	303.229	1098.37	9.10E-04	1.74E-04	30590.7	1.033	0.006097	1.11044	231.916
751.99	303.21	1092.71	9.15E-04	1.74E-04	30585	1.0359	0.006302	1.11043	231.916
751.59	303.191	1087.1	9.20E-04	1.74E-04	30579.4	1.0388	0.006508	1.11043	231.916
751.19	303.172	1081.54	9.25E-04	1.74E-04	30573.7	1.0417	0.006713	1.11042	231.916
750.79	303.153	1076.04	9.29E-04	1.74E-04	30568	1.0446	0.006918	1.11041	231.916
750.39	303.134	1070.58	9.34E-04	1.74E-04	30562.3	1.0475	0.007124	1.11041	231.916
749.99	303.115	1065.18	9.39E-04	1.74E-04	30556.7	1.0503	0.007329	1.1104	231.916

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
749.19	303.078	1054.52	9.48E-04	1.74E-04	30545.4	1.056	0.007739	1.11039	231.916
748.79	303.059	1049.26	9.53E-04	1.74E-04	30539.7	1.0588	0.007944	1.11039	231.916
748.39	303.04	1044.05	9.58E-04	1.74E-04	30534.1	1.0616	0.008149	1.11038	231.916
747.99	303.021	1038.89	9.63E-04	1.75E-04	30528.4	1.0644	0.008354	1.11037	231.916
747.59	303.002	1033.77	9.67E-04	1.75E-04	30522.8	1.0672	0.008559	1.11037	231.916
747.19	302.983	1028.7	9.72E-04	1.75E-04	30517.2	1.07	0.008764	1.11036	231.916
746.79	302.964	1023.68	9.77E-04	1.75E-04	30511.6	1.0727	0.008969	1.11036	231.916
746.39	302.945	1018.7	9.82E-04	1.75E-04	30505.9	1.0754	0.009173	1.11035	231.915
745.99	302.926	1013.76	9.86E-04	1.75E-04	30500.3	1.0782	0.009378	1.11035	231.915
745.59	302.907	1008.87	9.91E-04	1.75E-04	30494.7	1.0809	0.009583	1.11034	231.915
745.19	302.888	1004.02	9.96E-04	1.75E-04	30489.1	1.0836	0.009787	1.11034	231.915
744.79	302.869	999.212	1.00E-03	1.75E-04	30483.5	1.0862	0.009992	1.11033	231.915
744.39	302.85	994.446	1.01E-03	1.75E-04	30478	1.0889	0.010196	1.11033	231.915
743.99	302.831	989.722	1.01E-03	1.75E-04	30472.4	1.0915	0.010401	1.11032	231.915
743.59	302.812	985.038	1.02E-03	1.75E-04	30466.8	1.0942	0.010605	1.11032	231.915
743.19	302.793	980.395	1.02E-03	1.75E-04	30461.2	1.0968	0.01081	1.11031	231.915
742.79	302.774	975.791	1.02E-03	1.75E-04	30455.7	1.0994	0.011014	1.1103	231.915
742.39	302.755	971.226	1.03E-03	1.75E-04	30450.1	1.102	0.011218	1.1103	231.915
741.99	302.736	966.7	1.03E-03	1.75E-04	30444.6	1.1046	0.011422	1.11029	231.915
741.59	302.717	962.212	1.04E-03	1.75E-04	30439	1.1072	0.011627	1.11029	231.915
741.19	302.698	957.762	1.04E-03	1.75E-04	30433.5	1.1097	0.011831	1.11028	231.915
740.79	302.679	953.348	1.05E-03	1.75E-04	30427.9	1.1123	0.012035	1.11028	231.915
740.39	302.66	948.972	1.05E-03	1.75E-04	30422.4	1.1148	0.012239	1.11027	231.914
739.99	302.641	944.632	1.06E-03	1.75E-04	30416.9	1.1173	0.012443	1.11027	231.914
739.59	302.622	940.328	1.06E-03	1.75E-04	30411.3	1.1199	0.012647	1.11026	231.914
739.19	302.603	936.059	1.07E-03	1.75E-04	30405.8	1.1224	0.01285	1.11026	231.914
738.79	302.584	931.825	1.07E-03	1.75E-04	30400.3	1.1248	0.013054	1.11025	231.914
738.39	302.565	927.625	1.08E-03	1.75E-04	30394.8	1.1273	0.013258	1.11025	231.914
737.99	302.545	923.46	1.08E-03	1.75E-04	30389.3	1.1298	0.013462	1.11024	231.914
737.59	302.526	919.328	1.09E-03	1.75E-04	30383.8	1.1322	0.013665	1.11024	231.914
737.19	302.507	915.23	1.09E-03	1.75E-04	30378.3	1.1347	0.013869	1.11023	231.914
736.79	302.488	911.164	1.10E-03	1.75E-04	30372.8	1.1371	0.014072	1.11023	231.914
736.39	302.469	907.131	1.10E-03	1.75E-04	30367.4	1.1395	0.014276	1.11022	231.914
735.99	302.45	903.13	1.11E-03	1.75E-04	30361.9	1.1419	0.014479	1.11022	231.914
735.59	302.43	899.161	1.11E-03	1.76E-04	30356.4	1.1443	0.014683	1.11021	231.914
735.19	302.411	895.223	1.12E-03	1.76E-04	30351	1.1467	0.014886	1.11021	231.913
734.79	302.392	891.316	1.12E-03	1.76E-04	30345.5	1.1491	0.015089	1.1102	231.913
734.39	302.373	887.439	1.13E-03	1.76E-04	30340.1	1.1515	0.015293	1.1102	231.913
733.99	302.354	883.593	1.13E-03	1.76E-04	30334.6	1.1538	0.015496	1.11019	231.913
733.59	302.334	879.776	1.14E-03	1.76E-04	30329.2	1.1562	0.015699	1.11019	231.913
733.19	302.315	875.99	1.14E-03	1.76E-04	30323.7	1.1585	0.015902	1.11018	231.913
732.79	302.296	872.232	1.15E-03	1.76E-04	30318.3	1.1608	0.016105	1.11018	231.913
732.39	302.277	868.503	1.15E-03	1.76E-04	30312.9	1.1631	0.016308	1.11017	231.913
731.99	302.257	864.803	1.16E-03	1.76E-04	30307.4	1.1654	0.016511	1.11017	231.913
731.59	302.238	861.131	1.16E-03	1.76E-04	30302	1.1677	0.016714	1.11017	231.913
731.19	302.219	857.487	1.17E-03	1.76E-04	30296.6	1.17	0.016917	1.11016	231.913
730.79	302.2	853.87	1.17E-03	1.76E-04	30291.2	1.1723	0.01712	1.11016	231.913
730.39	302.18	850.281	1.18E-03	1.76E-04	30285.8	1.1745	0.017322	1.11015	231.912
729.99	302.161	846.718	1.18E-03	1.76E-04	30280.4	1.1768	0.017525	1.11015	231.912
729.59	302.142	843.182	1.19E-03	1.76E-04	30275	1.179	0.017728	1.11014	231.912
729.19	302.122	839.673	1.19E-03	1.76E-04	30269.6	1.1812	0.01793	1.11014	231.912
728.79	302.103	836.189	1.20E-03	1.76E-04	30264.3	1.1835	0.018133	1.11013	231.912
728.39	302.084	832.732	1.20E-03	1.76E-04	30258.9	1.1857	0.018335	1.11013	231.912
727.99	302.064	829.299	1.21E-03	1.76E-04	30253.5	1.1879	0.018538	1.11012	231.912
727.59	302.045	825.892	1.21E-03	1.76E-04	30248.2	1.1901	0.01874	1.11012	231.912
727.19	302.025	822.51	1.22E-03	1.76E-04	30242.8	1.1922	0.018942	1.11011	231.912
726.79	302.006	819.153	1.22E-03	1.76E-04	30237.4	1.1944	0.019145	1.11011	231.912
726.39	301.987	815.819	1.23E-03	1.76E-04	30232.1	1.1966	0.019347	1.11011	231.912
725.99	301.967	812.51	1.23E-03	1.76E-04	30226.8	1.1987	0.019549	1.1101	231.912
725.59	301.948	809.225	1.24E-03	1.76E-04	30221.4	1.2009	0.019751	1.1101	231.911
725.19	301.928	805.963	1.24E-03	1.76E-04	30216.1	1.203	0.019953	1.11009	231.911

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
724.39	301.889	799.51	1.25E-03	1.76E-04	30205.4	1.2073	0.020357	1.11008	231.911
723.99	301.87	796.317	1.26E-03	1.76E-04	30200.1	1.2094	0.020559	1.11008	231.911
723.59	301.851	793.147	1.26E-03	1.76E-04	30194.8	1.2115	0.020761	1.11008	231.911
723.19	301.831	790	1.27E-03	1.76E-04	30189.5	1.2136	0.020963	1.11007	231.911
722.79	301.812	786.874	1.27E-03	1.77E-04	30184.2	1.2156	0.021165	1.11007	231.911
722.39	301.792	783.771	1.28E-03	1.77E-04	30178.9	1.2177	0.021367	1.11006	231.911
721.99	301.773	780.689	1.28E-03	1.77E-04	30173.6	1.2198	0.021568	1.11006	231.911
721.59	301.753	777.628	1.29E-03	1.77E-04	30168.3	1.2218	0.02177	1.11005	231.911
721.19	301.734	774.589	1.29E-03	1.77E-04	30163	1.2239	0.021972	1.11005	231.91
720.79	301.714	771.571	1.30E-03	1.77E-04	30157.8	1.2259	0.022173	1.11005	231.91
720.39	301.694	768.573	1.30E-03	1.77E-04	30152.5	1.228	0.022375	1.11004	231.91
719.99	301.675	765.596	1.31E-03	1.77E-04	30147.2	1.23	0.022576	1.11004	231.91
719.59	301.655	762.64	1.31E-03	1.77E-04	30142	1.232	0.022778	1.11003	231.91
719.19	301.636	759.703	1.32E-03	1.77E-04	30136.7	1.234	0.022979	1.11003	231.91
718.79	301.616	756.786	1.32E-03	1.77E-04	30131.4	1.236	0.02318	1.11002	231.91
718.39	301.597	753.889	1.33E-03	1.77E-04	30126.2	1.238	0.023381	1.11002	231.91
717.99	301.577	751.012	1.33E-03	1.77E-04	30121	1.24	0.023583	1.11002	231.91
717.59	301.557	748.154	1.34E-03	1.77E-04	30115.7	1.242	0.023784	1.11001	231.91
717.19	301.538	745.315	1.34E-03	1.77E-04	30110.5	1.2439	0.023985	1.11001	231.91
716.79	301.518	742.495	1.35E-03	1.77E-04	30105.3	1.2459	0.024186	1.11	231.909
716.39	301.498	739.694	1.35E-03	1.77E-04	30100	1.2478	0.024387	1.11	231.909
715.99	301.479	736.911	1.36E-03	1.77E-04	30094.8	1.2498	0.024588	1.11	231.909
715.59	301.459	734.146	1.36E-03	1.77E-04	30089.6	1.2517	0.024789	1.10999	231.909
715.19	301.439	731.4	1.37E-03	1.77E-04	30084.4	1.2536	0.02499	1.10999	231.909
714.79	301.42	728.672	1.37E-03	1.77E-04	30079.2	1.2556	0.025191	1.10999	231.909
714.39	301.4	725.962	1.38E-03	1.77E-04	30074	1.2575	0.025391	1.10998	231.909
713.99	301.38	723.269	1.38E-03	1.77E-04	30068.8	1.2594	0.025592	1.10998	231.909
713.59	301.361	720.594	1.39E-03	1.77E-04	30063.6	1.2613	0.025793	1.10997	231.909
713.19	301.341	717.936	1.39E-03	1.77E-04	30058.4	1.2632	0.025993	1.10997	231.909
712.79	301.321	715.295	1.40E-03	1.77E-04	30053.3	1.265	0.026194	1.10997	231.908
712.39	301.302	712.671	1.40E-03	1.77E-04	30048.1	1.2669	0.026394	1.10996	231.908
711.99	301.282	710.064	1.41E-03	1.77E-04	30042.9	1.2688	0.026595	1.10996	231.908
711.59	301.262	707.474	1.41E-03	1.77E-04	30037.8	1.2706	0.026795	1.10995	231.908
711.19	301.242	704.9	1.42E-03	1.77E-04	30032.6	1.2725	0.026996	1.10995	231.908
710.79	301.222	702.343	1.42E-03	1.77E-04	30027.5	1.2743	0.027196	1.10995	231.908
710.39	301.203	699.801	1.43E-03	1.77E-04	30022.3	1.2762	0.027396	1.10994	231.908
709.99	301.183	697.276	1.43E-03	1.78E-04	30017.2	1.278	0.027596	1.10994	231.908
709.59	301.163	694.767	1.44E-03	1.78E-04	30012	1.2798	0.027796	1.10994	231.908
709.19	301.143	692.273	1.44E-03	1.78E-04	30006.9	1.2816	0.027997	1.10993	231.907
708.79	301.123	689.795	1.45E-03	1.78E-04	30001.8	1.2835	0.028197	1.10993	231.907
708.39	301.104	687.332	1.45E-03	1.78E-04	29996.6	1.2853	0.028397	1.10993	231.907
707.99	301.084	684.885	1.46E-03	1.78E-04	29991.5	1.2871	0.028597	1.10992	231.907
707.59	301.064	682.453	1.47E-03	1.78E-04	29986.4	1.2888	0.028797	1.10992	231.907
707.19	301.044	680.035	1.47E-03	1.78E-04	29981.3	1.2906	0.028996	1.10991	231.907
706.79	301.024	677.633	1.48E-03	1.78E-04	29976.2	1.2924	0.029196	1.10991	231.907
706.39	301.004	675.245	1.48E-03	1.78E-04	29971.1	1.2942	0.029396	1.10991	231.907
705.99	300.984	672.872	1.49E-03	1.78E-04	29966	1.2959	0.029596	1.1099	231.907
705.59	300.964	670.514	1.49E-03	1.78E-04	29960.9	1.2977	0.029795	1.1099	231.906
705.19	300.945	668.169	1.50E-03	1.78E-04	29955.8	1.2994	0.029995	1.1099	231.906
704.79	300.925	665.839	1.50E-03	1.78E-04	29950.8	1.3012	0.030195	1.10989	231.906
704.39	300.905	663.523	1.51E-03	1.78E-04	29945.7	1.3029	0.030394	1.10989	231.906
703.99	300.885	661.221	1.51E-03	1.78E-04	29940.6	1.3047	0.030594	1.10989	231.906
703.59	300.865	658.933	1.52E-03	1.78E-04	29935.6	1.3064	0.030793	1.10988	231.906
703.19	300.845	656.658	1.52E-03	1.78E-04	29930.5	1.3081	0.030992	1.10988	231.906
702.79	300.825	654.397	1.53E-03	1.78E-04	29925.4	1.3098	0.031192	1.10988	231.906
702.39	300.805	652.149	1.53E-03	1.78E-04	29920.4	1.3115	0.031391	1.10987	231.906
701.99	300.785	649.915	1.54E-03	1.78E-04	29915.3	1.3132	0.03159	1.10987	231.905
701.59	300.765	647.694	1.54E-03	1.78E-04	29910.3	1.3149	0.031789	1.10987	231.905
701.19	300.745	645.486	1.55E-03	1.78E-04	29905.3	1.3166	0.031988	1.10986	231.905
700.79	300.725	643.291	1.55E-03	1.78E-04	29900.2	1.3183	0.032188	1.10986	231.905
700.39	300.705	641.109	1.56E-03	1.78E-04	29895.2	1.32	0.032387	1.10986	231.905

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
699.59	300.665	636.783	1.57E-03	1.78E-04	29885.2	1.3233	0.032784	1.10985	231.905
699.19	300.645	634.638	1.58E-03	1.78E-04	29880.2	1.3249	0.032983	1.10985	231.905
698.79	300.625	632.506	1.58E-03	1.78E-04	29875.2	1.3266	0.033182	1.10985	231.905
698.39	300.604	630.387	1.59E-03	1.78E-04	29870.2	1.3282	0.033381	1.10984	231.904
697.99	300.584	628.279	1.59E-03	1.78E-04	29865.2	1.3299	0.03358	1.10984	231.904
697.59	300.564	626.184	1.60E-03	1.78E-04	29860.2	1.3315	0.033778	1.10984	231.904
697.19	300.544	624.101	1.60E-03	1.78E-04	29855.2	1.3331	0.033977	1.10983	231.904
696.79	300.524	622.029	1.61E-03	1.78E-04	29850.2	1.3347	0.034176	1.10983	231.904
696.39	300.504	619.97	1.61E-03	1.79E-04	29845.2	1.3364	0.034374	1.10983	231.904
695.99	300.484	617.922	1.62E-03	1.79E-04	29840.2	1.338	0.034573	1.10982	231.904
695.59	300.464	615.885	1.62E-03	1.79E-04	29835.3	1.3396	0.034771	1.10982	231.904
695.19	300.443	613.86	1.63E-03	1.79E-04	29830.3	1.3412	0.034969	1.10982	231.903
694.79	300.423	611.847	1.63E-03	1.79E-04	29825.4	1.3428	0.035168	1.10982	231.903
694.39	300.403	609.845	1.64E-03	1.79E-04	29820.4	1.3444	0.035366	1.10981	231.903
693.99	300.383	607.854	1.65E-03	1.79E-04	29815.4	1.3459	0.035564	1.10981	231.903
693.59	300.363	605.874	1.65E-03	1.79E-04	29810.5	1.3475	0.035763	1.10981	231.903
693.19	300.342	603.905	1.66E-03	1.79E-04	29805.6	1.3491	0.035961	1.1098	231.903
692.79	300.322	601.947	1.66E-03	1.79E-04	29800.6	1.3506	0.036159	1.1098	231.903
692.39	300.302	599.999	1.67E-03	1.79E-04	29795.7	1.3522	0.036357	1.1098	231.903
691.99	300.282	598.063	1.67E-03	1.79E-04	29790.8	1.3538	0.036555	1.1098	231.902
691.59	300.261	596.137	1.68E-03	1.79E-04	29785.8	1.3553	0.036753	1.10979	231.902
691.19	300.241	594.222	1.68E-03	1.79E-04	29780.9	1.3568	0.036951	1.10979	231.902
690.79	300.221	592.317	1.69E-03	1.79E-04	29776	1.3584	0.037148	1.10979	231.902
690.39	300.201	590.423	1.69E-03	1.79E-04	29771.1	1.3599	0.037346	1.10978	231.902
689.99	300.18	588.538	1.70E-03	1.79E-04	29766.2	1.3614	0.037544	1.10978	231.902
689.59	300.16	586.664	1.70E-03	1.79E-04	29761.3	1.363	0.037742	1.10978	231.902
689.19	300.14	584.801	1.71E-03	1.79E-04	29756.4	1.3645	0.037939	1.10978	231.901
688.79	300.119	582.947	1.72E-03	1.79E-04	29751.5	1.366	0.038137	1.10977	231.901
688.39	300.099	581.103	1.72E-03	1.79E-04	29746.6	1.3675	0.038335	1.10977	231.901
687.99	300.079	579.269	1.73E-03	1.79E-04	29741.8	1.369	0.038532	1.10977	231.901
687.59	300.058	577.445	1.73E-03	1.79E-04	29736.9	1.3705	0.038729	1.10977	231.901
687.19	300.038	575.631	1.74E-03	1.79E-04	29732	1.372	0.038927	1.10976	231.901
686.79	300.017	573.826	1.74E-03	1.79E-04	29727.1	1.3735	0.039124	1.10976	231.901
686.39	299.997	572.031	1.75E-03	1.79E-04	29722.3	1.3749	0.039322	1.10976	231.901
685.99	299.977	570.245	1.75E-03	1.79E-04	29717.4	1.3764	0.039519	1.10976	231.9
685.59	299.956	568.469	1.76E-03	1.79E-04	29712.6	1.3779	0.039716	1.10975	231.9
685.19	299.936	566.702	1.76E-03	1.79E-04	29707.7	1.3794	0.039913	1.10975	231.9
684.79	299.915	564.944	1.77E-03	1.79E-04	29702.9	1.3808	0.04011	1.10975	231.9
684.39	299.895	563.196	1.78E-03	1.79E-04	29698	1.3823	0.040307	1.10975	231.9
683.99	299.874	561.457	1.78E-03	1.79E-04	29693.2	1.3837	0.040504	1.10974	231.9
683.59	299.854	559.726	1.79E-03	1.79E-04	29688.4	1.3852	0.040701	1.10974	231.9
683.19	299.834	558.005	1.79E-03	1.79E-04	29683.5	1.3866	0.040898	1.10974	231.899
682.79	299.813	556.293	1.80E-03	1.80E-04	29678.7	1.388	0.041095	1.10974	231.899
682.39	299.793	554.589	1.80E-03	1.80E-04	29673.9	1.3895	0.041292	1.10973	231.899
681.99	299.772	552.894	1.81E-03	1.80E-04	29669.1	1.3909	0.041489	1.10973	231.899
681.59	299.751	551.208	1.81E-03	1.80E-04	29664.3	1.3923	0.041685	1.10973	231.899
681.19	299.731	549.531	1.82E-03	1.80E-04	29659.5	1.3937	0.041882	1.10973	231.899
680.79	299.71	547.862	1.83E-03	1.80E-04	29654.7	1.3952	0.042079	1.10972	231.899
680.39	299.69	546.202	1.83E-03	1.80E-04	29649.9	1.3966	0.042275	1.10972	231.898
679.99	299.669	544.55	1.84E-03	1.80E-04	29645.1	1.398	0.042472	1.10972	231.898
679.59	299.649	542.906	1.84E-03	1.80E-04	29640.3	1.3994	0.042668	1.10972	231.898
679.19	299.628	541.271	1.85E-03	1.80E-04	29635.5	1.4008	0.042865	1.10972	231.898
678.79	299.608	539.644	1.85E-03	1.80E-04	29630.8	1.4022	0.043061	1.10971	231.898
678.39	299.587	538.025	1.86E-03	1.80E-04	29626	1.4035	0.043257	1.10971	231.898
677.99	299.566	536.414	1.86E-03	1.80E-04	29621.2	1.4049	0.043454	1.10971	231.898
677.59	299.546	534.812	1.87E-03	1.80E-04	29616.5	1.4063	0.04365	1.10971	231.897
677.19	299.525	533.217	1.88E-03	1.80E-04	29611.7	1.4077	0.043846	1.10971	231.897
676.79	299.504	531.631	1.88E-03	1.80E-04	29607	1.409	0.044042	1.1097	231.897
676.39	299.484	530.052	1.89E-03	1.80E-04	29602.2	1.4104	0.044238	1.1097	231.897
675.99	299.463	528.481	1.89E-03	1.80E-04	29597.5	1.4118	0.044434	1.1097	231.897
675.59	299.442	526.918	1.90E-03	1.80E-04	29592.7	1.4131	0.04463	1.1097	231.897

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
674.79	299.401	523.814	1.91E-03	1.80E-04	29583.3	1.4158	0.045022	1.10969	231.896
674.39	299.38	522.274	1.91E-03	1.80E-04	29578.5	1.4171	0.045218	1.10969	231.896
673.99	299.359	520.741	1.92E-03	1.80E-04	29573.8	1.4185	0.045414	1.10969	231.896
673.59	299.339	519.216	1.93E-03	1.80E-04	29569.1	1.4198	0.04561	1.10969	231.896
673.19	299.318	517.698	1.93E-03	1.80E-04	29564.4	1.4211	0.045805	1.10969	231.896
672.79	299.297	516.188	1.94E-03	1.80E-04	29559.7	1.4225	0.046001	1.10968	231.896
672.39	299.276	514.685	1.94E-03	1.80E-04	29555	1.4238	0.046196	1.10968	231.895
671.99	299.256	513.189	1.95E-03	1.80E-04	29550.3	1.4251	0.046392	1.10968	231.895
671.59	299.235	511.7	1.95E-03	1.80E-04	29545.6	1.4264	0.046588	1.10968	231.895
671.19	299.214	510.218	1.96E-03	1.80E-04	29540.9	1.4277	0.046783	1.10968	231.895
670.79	299.193	508.744	1.97E-03	1.80E-04	29536.2	1.429	0.046978	1.10967	231.895
670.39	299.172	507.277	1.97E-03	1.80E-04	29531.5	1.4303	0.047174	1.10967	231.895
669.99	299.152	505.816	1.98E-03	1.80E-04	29526.8	1.4316	0.047369	1.10967	231.894
669.59	299.131	504.363	1.98E-03	1.80E-04	29522.2	1.4329	0.047564	1.10967	231.894
669.19	299.11	502.916	1.99E-03	1.81E-04	29517.5	1.4342	0.047759	1.10967	231.894
668.79	299.089	501.477	1.99E-03	1.81E-04	29512.8	1.4355	0.047955	1.10967	231.894
668.39	299.068	500.044	2.00E-03	1.81E-04	29508.2	1.4367	0.04815	1.10966	231.894
667.99	299.047	498.618	2.01E-03	1.81E-04	29503.5	1.438	0.048345	1.10966	231.894
667.59	299.026	497.198	2.01E-03	1.81E-04	29498.9	1.4393	0.04854	1.10966	231.893
667.19	299.005	495.786	2.02E-03	1.81E-04	29494.2	1.4406	0.048735	1.10966	231.893
666.79	298.985	494.38	2.02E-03	1.81E-04	29489.6	1.4418	0.04893	1.10966	231.893
666.39	298.964	492.98	2.03E-03	1.81E-04	29484.9	1.4431	0.049125	1.10966	231.893
665.99	298.943	491.587	2.03E-03	1.81E-04	29480.3	1.4443	0.049319	1.10965	231.893
665.59	298.922	490.201	2.04E-03	1.81E-04	29475.7	1.4456	0.049514	1.10965	231.893
665.19	298.901	488.82	2.05E-03	1.81E-04	29471	1.4468	0.049709	1.10965	231.892
664.79	298.88	487.447	2.05E-03	1.81E-04	29466.4	1.4481	0.049904	1.10965	231.892
664.39	298.859	486.079	2.06E-03	1.81E-04	29461.8	1.4493	0.050098	1.10965	231.892
663.99	298.838	484.718	2.06E-03	1.81E-04	29457.2	1.4505	0.050293	1.10965	231.892
663.59	298.817	483.363	2.07E-03	1.81E-04	29452.6	1.4518	0.050487	1.10964	231.892
663.19	298.796	482.015	2.07E-03	1.81E-04	29448	1.453	0.050682	1.10964	231.892
662.79	298.775	480.672	2.08E-03	1.81E-04	29443.4	1.4542	0.050876	1.10964	231.891
662.39	298.754	479.336	2.09E-03	1.81E-04	29438.8	1.4554	0.05107	1.10964	231.891
661.99	298.733	478.006	2.09E-03	1.81E-04	29434.2	1.4567	0.051265	1.10964	231.891
661.59	298.711	476.681	2.10E-03	1.81E-04	29429.6	1.4579	0.051459	1.10964	231.891
661.19	298.69	475.363	2.10E-03	1.81E-04	29425	1.4591	0.051653	1.10964	231.891
660.79	298.669	474.051	2.11E-03	1.81E-04	29420.4	1.4603	0.051848	1.10963	231.891
660.39	298.648	472.744	2.12E-03	1.81E-04	29415.9	1.4615	0.052042	1.10963	231.89
659.99	298.627	471.444	2.12E-03	1.81E-04	29411.3	1.4627	0.052236	1.10963	231.89
659.59	298.606	470.149	2.13E-03	1.81E-04	29406.7	1.4639	0.05243	1.10963	231.89
659.19	298.585	468.86	2.13E-03	1.81E-04	29402.2	1.4651	0.052624	1.10963	231.89
658.79	298.564	467.577	2.14E-03	1.81E-04	29397.6	1.4663	0.052818	1.10963	231.89
658.39	298.543	466.3	2.14E-03	1.81E-04	29393.1	1.4674	0.053012	1.10963	231.89
657.99	298.521	465.028	2.15E-03	1.81E-04	29388.5	1.4686	0.053205	1.10963	231.889
657.59	298.5	463.762	2.16E-03	1.81E-04	29384	1.4698	0.053399	1.10962	231.889
657.19	298.479	462.502	2.16E-03	1.81E-04	29379.4	1.471	0.053593	1.10962	231.889
656.79	298.458	461.247	2.17E-03	1.81E-04	29374.9	1.4721	0.053787	1.10962	231.889
656.39	298.437	459.997	2.17E-03	1.81E-04	29370.4	1.4733	0.05398	1.10962	231.889
655.99	298.415	458.754	2.18E-03	1.81E-04	29365.8	1.4745	0.054174	1.10962	231.888
655.59	298.394	457.515	2.19E-03	1.81E-04	29361.3	1.4756	0.054367	1.10962	231.888
655.19	298.373	456.282	2.19E-03	1.81E-04	29356.8	1.4768	0.054561	1.10962	231.888
654.79	298.352	455.054	2.20E-03	1.82E-04	29352.3	1.4779	0.054754	1.10962	231.888
654.39	298.33	453.832	2.20E-03	1.82E-04	29347.8	1.4791	0.054948	1.10962	231.888
653.99	298.309	452.615	2.21E-03	1.82E-04	29343.3	1.4802	0.055141	1.10961	231.888
653.59	298.288	451.404	2.22E-03	1.82E-04	29338.8	1.4814	0.055334	1.10961	231.887
653.19	298.266	450.197	2.22E-03	1.82E-04	29334.3	1.4825	0.055528	1.10961	231.887
652.79	298.245	448.996	2.23E-03	1.82E-04	29329.8	1.4836	0.055721	1.10961	231.887
652.39	298.224	447.8	2.23E-03	1.82E-04	29325.3	1.4848	0.055914	1.10961	231.887
651.99	298.202	446.609	2.24E-03	1.82E-04	29320.8	1.4859	0.056107	1.10961	231.887
651.59	298.181	445.423	2.25E-03	1.82E-04	29316.3	1.487	0.0563	1.10961	231.886
651.19	298.16	444.242	2.25E-03	1.82E-04	29311.8	1.4881	0.056493	1.10961	231.886
650.79	298.138	443.067	2.26E-03	1.82E-04	29307.4	1.4893	0.056686	1.10961	231.886

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
649.99	298.095	440.73	2.27E-03	1.82E-04	29298.4	1.4915	0.057072	1.10961	231.886
649.59	298.074	439.57	2.28E-03	1.82E-04	29294	1.4926	0.057265	1.1096	231.885
649.19	298.053	438.414	2.28E-03	1.82E-04	29289.5	1.4937	0.057458	1.1096	231.885
648.79	298.031	437.263	2.29E-03	1.82E-04	29285.1	1.4948	0.05765	1.1096	231.885
648.39	298.01	436.117	2.29E-03	1.82E-04	29280.6	1.4959	0.057843	1.1096	231.885
647.99	297.988	434.975	2.30E-03	1.82E-04	29276.2	1.497	0.058036	1.1096	231.885
647.59	297.967	433.839	2.31E-03	1.82E-04	29271.7	1.4981	0.058228	1.1096	231.884
647.19	297.945	432.707	2.31E-03	1.82E-04	29267.3	1.4992	0.058421	1.1096	231.884
646.79	297.924	431.58	2.32E-03	1.82E-04	29262.9	1.5003	0.058613	1.1096	231.884
646.39	297.902	430.458	2.32E-03	1.82E-04	29258.4	1.5013	0.058806	1.1096	231.884
645.99	297.881	429.34	2.33E-03	1.82E-04	29254	1.5024	0.058998	1.1096	231.884
645.59	297.859	428.227	2.34E-03	1.82E-04	29249.6	1.5035	0.05919	1.1096	231.883
645.19	297.838	427.119	2.34E-03	1.82E-04	29245.2	1.5046	0.059383	1.1096	231.883
644.79	297.816	426.015	2.35E-03	1.82E-04	29240.8	1.5056	0.059575	1.1096	231.883
644.39	297.795	424.916	2.35E-03	1.82E-04	29236.4	1.5067	0.059767	1.10959	231.883
643.99	297.773	423.821	2.36E-03	1.82E-04	29231.9	1.5078	0.059959	1.10959	231.883
643.59	297.751	422.731	2.37E-03	1.82E-04	29227.5	1.5088	0.060151	1.10959	231.882
643.19	297.73	421.645	2.37E-03	1.82E-04	29223.2	1.5099	0.060343	1.10959	231.882
642.79	297.708	420.563	2.38E-03	1.82E-04	29218.8	1.5109	0.060535	1.10959	231.882
642.39	297.687	419.487	2.38E-03	1.82E-04	29214.4	1.512	0.060727	1.10959	231.882
641.99	297.665	418.414	2.39E-03	1.82E-04	29210	1.513	0.060919	1.10959	231.882
641.59	297.643	417.346	2.40E-03	1.82E-04	29205.6	1.5141	0.061111	1.10959	231.881
641.19	297.622	416.282	2.40E-03	1.82E-04	29201.2	1.5151	0.061303	1.10959	231.881
640.79	297.6	415.222	2.41E-03	1.82E-04	29196.9	1.5162	0.061495	1.10959	231.881
640.39	297.578	414.167	2.41E-03	1.83E-04	29192.5	1.5172	0.061686	1.10959	231.881
639.99	297.557	413.116	2.42E-03	1.83E-04	29188.1	1.5182	0.061878	1.10959	231.881
639.59	297.535	412.069	2.43E-03	1.83E-04	29183.8	1.5193	0.06207	1.10959	231.88
639.19	297.513	411.027	2.43E-03	1.83E-04	29179.4	1.5203	0.062261	1.10959	231.88
638.79	297.491	409.988	2.44E-03	1.83E-04	29175.1	1.5213	0.062453	1.10959	231.88
638.39	297.47	408.954	2.45E-03	1.83E-04	29170.7	1.5223	0.062644	1.10959	231.88
637.99	297.448	407.924	2.45E-03	1.83E-04	29166.4	1.5234	0.062835	1.10959	231.879
637.59	297.426	406.898	2.46E-03	1.83E-04	29162.1	1.5244	0.063027	1.10959	231.879
637.19	297.404	405.876	2.46E-03	1.83E-04	29157.7	1.5254	0.063218	1.10959	231.879
636.79	297.383	404.858	2.47E-03	1.83E-04	29153.4	1.5264	0.063409	1.10959	231.879
636.39	297.361	403.844	2.48E-03	1.83E-04	29149.1	1.5274	0.063601	1.10959	231.879
635.99	297.339	402.834	2.48E-03	1.83E-04	29144.7	1.5284	0.063792	1.10959	231.878
635.59	297.317	401.828	2.49E-03	1.83E-04	29140.4	1.5294	0.063983	1.10959	231.878
635.19	297.295	400.827	2.49E-03	1.83E-04	29136.1	1.5304	0.064174	1.10959	231.878
634.79	297.273	399.829	2.50E-03	1.83E-04	29131.8	1.5314	0.064365	1.10959	231.878
634.39	297.252	398.834	2.51E-03	1.83E-04	29127.5	1.5324	0.064556	1.10959	231.877
633.99	297.23	397.844	2.51E-03	1.83E-04	29123.2	1.5334	0.064747	1.10958	231.877
633.59	297.208	396.858	2.52E-03	1.83E-04	29118.9	1.5344	0.064938	1.10958	231.877
633.19	297.186	395.875	2.53E-03	1.83E-04	29114.6	1.5354	0.065129	1.10958	231.877
632.79	297.164	394.897	2.53E-03	1.83E-04	29110.3	1.5363	0.065319	1.10958	231.877
632.39	297.142	393.922	2.54E-03	1.83E-04	29106	1.5373	0.06551	1.10958	231.876
631.99	297.12	392.951	2.54E-03	1.83E-04	29101.7	1.5383	0.065701	1.10958	231.876
631.59	297.098	391.983	2.55E-03	1.83E-04	29097.5	1.5393	0.065891	1.10958	231.876
631.19	297.076	391.02	2.56E-03	1.83E-04	29093.2	1.5402	0.066082	1.10958	231.876
630.79	297.054	390.06	2.56E-03	1.83E-04	29088.9	1.5412	0.066273	1.10958	231.875
630.39	297.032	389.103	2.57E-03	1.83E-04	29084.6	1.5422	0.066463	1.10958	231.875
629.99	297.01	388.151	2.58E-03	1.83E-04	29080.4	1.5431	0.066653	1.10958	231.875
629.59	296.988	387.202	2.58E-03	1.83E-04	29076.1	1.5441	0.066844	1.10958	231.875
629.19	296.966	386.257	2.59E-03	1.83E-04	29071.9	1.5451	0.067034	1.10958	231.875
628.79	296.944	385.315	2.60E-03	1.83E-04	29067.6	1.546	0.067225	1.10958	231.874
628.39	296.922	384.377	2.60E-03	1.83E-04	29063.4	1.547	0.067415	1.10958	231.874
627.99	296.9	383.442	2.61E-03	1.83E-04	29059.1	1.5479	0.067605	1.10958	231.874
627.59	296.878	382.511	2.61E-03	1.83E-04	29054.9	1.5489	0.067795	1.10958	231.874
627.19	296.856	381.583	2.62E-03	1.83E-04	29050.6	1.5498	0.067985	1.10958	231.873
626.79	296.834	380.659	2.63E-03	1.83E-04	29046.4	1.5507	0.068175	1.10958	231.873
626.39	296.812	379.739	2.63E-03	1.83E-04	29042.2	1.5517	0.068365	1.10959	231.873
625.99	296.79	378.822	2.64E-03	1.83E-04	29038	1.5526	0.068555	1.10959	231.873

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
625.19	296.745	376.998	2.65E-03	1.84E-04	29029.5	1.5545	0.068935	1.10959	231.872
624.79	296.723	376.091	2.66E-03	1.84E-04	29025.3	1.5554	0.069125	1.10959	231.872
624.39	296.701	375.188	2.67E-03	1.84E-04	29021.1	1.5563	0.069315	1.10959	231.872
623.99	296.679	374.287	2.67E-03	1.84E-04	29016.9	1.5573	0.069504	1.10959	231.871
623.59	296.657	373.391	2.68E-03	1.84E-04	29012.7	1.5582	0.069694	1.10959	231.871
623.19	296.634	372.497	2.68E-03	1.84E-04	29008.5	1.5591	0.069884	1.10959	231.871
622.79	296.612	371.607	2.69E-03	1.84E-04	29004.3	1.56	0.070073	1.10959	231.871
622.39	296.59	370.72	2.70E-03	1.84E-04	29000.1	1.5609	0.070263	1.10959	231.87
621.99	296.568	369.837	2.70E-03	1.84E-04	28995.9	1.5618	0.070452	1.10959	231.87
621.59	296.545	368.956	2.71E-03	1.84E-04	28991.7	1.5628	0.070641	1.10959	231.87
621.19	296.523	368.079	2.72E-03	1.84E-04	28987.6	1.5637	0.070831	1.10959	231.87
620.79	296.501	367.205	2.72E-03	1.84E-04	28983.4	1.5646	0.07102	1.10959	231.869
620.39	296.478	366.335	2.73E-03	1.84E-04	28979.2	1.5655	0.071209	1.10959	231.869
619.99	296.456	365.467	2.74E-03	1.84E-04	28975.1	1.5664	0.071399	1.10959	231.869
619.59	296.434	364.603	2.74E-03	1.84E-04	28970.9	1.5673	0.071588	1.10959	231.869
619.19	296.411	363.741	2.75E-03	1.84E-04	28966.7	1.5682	0.071777	1.10959	231.868
618.79	296.389	362.883	2.76E-03	1.84E-04	28962.6	1.569	0.071966	1.10959	231.868
618.39	296.367	362.028	2.76E-03	1.84E-04	28958.4	1.5699	0.072155	1.10959	231.868
617.99	296.344	361.177	2.77E-03	1.84E-04	28954.3	1.5708	0.072344	1.10959	231.868
617.59	296.322	360.328	2.78E-03	1.84E-04	28950.1	1.5717	0.072533	1.10959	231.867
617.19	296.3	359.482	2.78E-03	1.84E-04	28946	1.5726	0.072722	1.10959	231.867
616.79	296.277	358.639	2.79E-03	1.84E-04	28941.9	1.5735	0.072911	1.10959	231.867
616.39	296.255	357.8	2.79E-03	1.84E-04	28937.7	1.5743	0.0731	1.10959	231.867
615.99	296.232	356.963	2.80E-03	1.84E-04	28933.6	1.5752	0.073288	1.1096	231.866
615.59	296.21	356.129	2.81E-03	1.84E-04	28929.5	1.5761	0.073477	1.1096	231.866
615.19	296.187	355.298	2.81E-03	1.84E-04	28925.4	1.577	0.073666	1.1096	231.866
614.79	296.165	354.471	2.82E-03	1.84E-04	28921.2	1.5778	0.073854	1.1096	231.866
614.39	296.142	353.646	2.83E-03	1.84E-04	28917.1	1.5787	0.074043	1.1096	231.865
613.99	296.12	352.824	2.83E-03	1.84E-04	28913	1.5796	0.074231	1.1096	231.865
613.59	296.097	352.005	2.84E-03	1.84E-04	28908.9	1.5804	0.07442	1.1096	231.865
613.19	296.075	351.189	2.85E-03	1.84E-04	28904.8	1.5813	0.074608	1.1096	231.864
612.79	296.052	350.376	2.85E-03	1.84E-04	28900.7	1.5821	0.074796	1.1096	231.864
612.39	296.03	349.565	2.86E-03	1.84E-04	28896.6	1.583	0.074985	1.1096	231.864
611.99	296.007	348.758	2.87E-03	1.84E-04	28892.5	1.5838	0.075173	1.1096	231.864
611.59	295.985	347.953	2.87E-03	1.84E-04	28888.4	1.5847	0.075361	1.1096	231.863
611.19	295.962	347.151	2.88E-03	1.84E-04	28884.4	1.5855	0.075549	1.1096	231.863
610.79	295.939	346.352	2.89E-03	1.84E-04	28880.3	1.5864	0.075737	1.1096	231.863
610.39	295.917	345.556	2.89E-03	1.85E-04	28876.2	1.5872	0.075926	1.10961	231.863
609.99	295.894	344.762	2.90E-03	1.85E-04	28872.1	1.5881	0.076114	1.10961	231.862
609.59	295.871	343.972	2.91E-03	1.85E-04	28868.1	1.5889	0.076302	1.10961	231.862
609.19	295.849	343.184	2.91E-03	1.85E-04	28864	1.5897	0.076489	1.10961	231.862
608.79	295.826	342.398	2.92E-03	1.85E-04	28859.9	1.5906	0.076677	1.10961	231.861
608.39	295.803	341.616	2.93E-03	1.85E-04	28855.9	1.5914	0.076865	1.10961	231.861
607.99	295.781	340.836	2.93E-03	1.85E-04	28851.8	1.5922	0.077053	1.10961	231.861
607.59	295.758	340.059	2.94E-03	1.85E-04	28847.8	1.5931	0.077241	1.10961	231.861
607.19	295.735	339.284	2.95E-03	1.85E-04	28843.7	1.5939	0.077428	1.10961	231.86
606.79	295.713	338.513	2.95E-03	1.85E-04	28839.7	1.5947	0.077616	1.10961	231.86
606.39	295.69	337.744	2.96E-03	1.85E-04	28835.6	1.5955	0.077803	1.10961	231.86
605.99	295.667	336.977	2.97E-03	1.85E-04	28831.6	1.5963	0.077991	1.10962	231.859
605.59	295.644	336.213	2.97E-03	1.85E-04	28827.6	1.5972	0.078178	1.10962	231.859
605.19	295.621	335.452	2.98E-03	1.85E-04	28823.5	1.598	0.078366	1.10962	231.859
604.79	295.599	334.693	2.99E-03	1.85E-04	28819.5	1.5988	0.078553	1.10962	231.859
604.39	295.576	333.937	2.99E-03	1.85E-04	28815.5	1.5996	0.078741	1.10962	231.858
603.99	295.553	333.183	3.00E-03	1.85E-04	28811.5	1.6004	0.078928	1.10962	231.858
603.59	295.53	332.432	3.01E-03	1.85E-04	28807.5	1.6012	0.079115	1.10962	231.858
603.19	295.507	331.684	3.01E-03	1.85E-04	28803.4	1.602	0.079302	1.10962	231.857
602.79	295.484	330.938	3.02E-03	1.85E-04	28799.4	1.6028	0.079489	1.10962	231.857
602.39	295.462	330.194	3.03E-03	1.85E-04	28795.4	1.6036	0.079677	1.10963	231.857
601.99	295.439	329.453	3.04E-03	1.85E-04	28791.4	1.6044	0.079864	1.10963	231.857
601.59	295.416	328.715	3.04E-03	1.85E-04	28787.4	1.6052	0.080051	1.10963	231.856
601.19	295.393	327.979	3.05E-03	1.85E-04	28783.4	1.606	0.080237	1.10963	231.856

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
600.39	295.347	326.514	3.06E-03	1.85E-04	28775.5	1.6076	0.080611	1.10963	231.855
599.99	295.324	325.786	3.07E-03	1.85E-04	28771.5	1.6083	0.080798	1.10963	231.855
599.59	295.301	325.059	3.08E-03	1.85E-04	28767.5	1.6091	0.080985	1.10963	231.855
599.19	295.278	324.336	3.08E-03	1.85E-04	28763.5	1.6099	0.081171	1.10964	231.854
598.79	295.255	323.614	3.09E-03	1.85E-04	28759.6	1.6107	0.081358	1.10964	231.854
598.39	295.232	322.895	3.10E-03	1.85E-04	28755.6	1.6115	0.081545	1.10964	231.854
597.99	295.209	322.179	3.10E-03	1.85E-04	28751.6	1.6122	0.081731	1.10964	231.854
597.59	295.186	321.464	3.11E-03	1.85E-04	28747.7	1.613	0.081918	1.10964	231.853
597.19	295.163	320.752	3.12E-03	1.85E-04	28743.7	1.6138	0.082104	1.10964	231.853
596.79	295.14	320.043	3.12E-03	1.85E-04	28739.8	1.6146	0.082291	1.10964	231.853
596.39	295.117	319.335	3.13E-03	1.85E-04	28735.8	1.6153	0.082477	1.10965	231.852
595.99	295.093	318.631	3.14E-03	1.85E-04	28731.9	1.6161	0.082663	1.10965	231.852
595.59	295.07	317.928	3.15E-03	1.85E-04	28727.9	1.6169	0.08285	1.10965	231.852
595.19	295.047	317.228	3.15E-03	1.85E-04	28724	1.6176	0.083036	1.10965	231.851
594.79	295.024	316.529	3.16E-03	1.86E-04	28720.1	1.6184	0.083222	1.10965	231.851
594.39	295.001	315.834	3.17E-03	1.86E-04	28716.1	1.6191	0.083408	1.10965	231.851
593.99	294.978	315.14	3.17E-03	1.86E-04	28712.2	1.6199	0.083594	1.10965	231.85
593.59	294.955	314.449	3.18E-03	1.86E-04	28708.3	1.6207	0.08378	1.10966	231.85
593.19	294.931	313.76	3.19E-03	1.86E-04	28704.4	1.6214	0.083966	1.10966	231.85
592.79	294.908	313.073	3.19E-03	1.86E-04	28700.4	1.6222	0.084152	1.10966	231.85
592.39	294.885	312.388	3.20E-03	1.86E-04	28696.5	1.6229	0.084338	1.10966	231.849
591.99	294.862	311.706	3.21E-03	1.86E-04	28692.6	1.6236	0.084524	1.10966	231.849
591.59	294.838	311.026	3.22E-03	1.86E-04	28688.7	1.6244	0.084709	1.10966	231.849
591.19	294.815	310.348	3.22E-03	1.86E-04	28684.8	1.6251	0.084895	1.10967	231.848
590.79	294.792	309.672	3.23E-03	1.86E-04	28680.9	1.6259	0.085081	1.10967	231.848
590.39	294.769	308.998	3.24E-03	1.86E-04	28677	1.6266	0.085266	1.10967	231.848
589.99	294.745	308.327	3.24E-03	1.86E-04	28673.1	1.6274	0.085452	1.10967	231.847
589.59	294.722	307.657	3.25E-03	1.86E-04	28669.2	1.6281	0.085638	1.10967	231.847
589.19	294.699	306.99	3.26E-03	1.86E-04	28665.3	1.6288	0.085823	1.10967	231.847
588.79	294.675	306.325	3.26E-03	1.86E-04	28661.5	1.6295	0.086008	1.10968	231.846
588.39	294.652	305.662	3.27E-03	1.86E-04	28657.6	1.6303	0.086194	1.10968	231.846
587.99	294.628	305.001	3.28E-03	1.86E-04	28653.7	1.631	0.086379	1.10968	231.846
587.59	294.605	304.342	3.29E-03	1.86E-04	28649.8	1.6317	0.086564	1.10968	231.845
587.19	294.582	303.685	3.29E-03	1.86E-04	28646	1.6325	0.08675	1.10968	231.845
586.79	294.558	303.03	3.30E-03	1.86E-04	28642.1	1.6332	0.086935	1.10968	231.845
586.39	294.535	302.378	3.31E-03	1.86E-04	28638.2	1.6339	0.08712	1.10969	231.844
585.99	294.511	301.727	3.31E-03	1.86E-04	28634.4	1.6346	0.087305	1.10969	231.844
585.59	294.488	301.079	3.32E-03	1.86E-04	28630.5	1.6353	0.08749	1.10969	231.844
585.19	294.464	300.432	3.33E-03	1.86E-04	28626.7	1.636	0.087675	1.10969	231.843
584.79	294.441	299.787	3.34E-03	1.86E-04	28622.8	1.6368	0.08786	1.10969	231.843
584.39	294.417	299.145	3.34E-03	1.86E-04	28619	1.6375	0.088045	1.1097	231.843
583.99	294.394	298.504	3.35E-03	1.86E-04	28615.1	1.6382	0.08823	1.1097	231.842
583.59	294.37	297.866	3.36E-03	1.86E-04	28611.3	1.6389	0.088415	1.1097	231.842
583.19	294.347	297.229	3.36E-03	1.86E-04	28607.5	1.6396	0.088599	1.1097	231.842
582.79	294.323	296.595	3.37E-03	1.86E-04	28603.6	1.6403	0.088784	1.1097	231.841
582.39	294.3	295.962	3.38E-03	1.86E-04	28599.8	1.641	0.088969	1.1097	231.841
581.99	294.276	295.332	3.39E-03	1.86E-04	28596	1.6417	0.089153	1.10971	231.841
581.59	294.252	294.703	3.39E-03	1.86E-04	28592.2	1.6424	0.089338	1.10971	231.84
581.19	294.229	294.076	3.40E-03	1.86E-04	28588.3	1.6431	0.089522	1.10971	231.84
580.79	294.205	293.451	3.41E-03	1.86E-04	28584.5	1.6438	0.089707	1.10971	231.839
580.39	294.181	292.828	3.42E-03	1.86E-04	28580.7	1.6445	0.089891	1.10971	231.839
579.99	294.158	292.207	3.42E-03	1.86E-04	28576.9	1.6452	0.090076	1.10972	231.839
579.59	294.134	291.588	3.43E-03	1.86E-04	28573.1	1.6458	0.09026	1.10972	231.838
579.19	294.11	290.971	3.44E-03	1.86E-04	28569.3	1.6465	0.090444	1.10972	231.838
578.79	294.087	290.356	3.44E-03	1.87E-04	28565.5	1.6472	0.090628	1.10972	231.838
578.39	294.063	289.742	3.45E-03	1.87E-04	28561.7	1.6479	0.090812	1.10973	231.837
577.99	294.039	289.131	3.46E-03	1.87E-04	28557.9	1.6486	0.090997	1.10973	231.837
577.59	294.015	288.521	3.47E-03	1.87E-04	28554.1	1.6493	0.091181	1.10973	231.837
577.19	293.992	287.913	3.47E-03	1.87E-04	28550.4	1.6499	0.091365	1.10973	231.836
576.79	293.968	287.307	3.48E-03	1.87E-04	28546.6	1.6506	0.091549	1.10973	231.836
576.39	293.944	286.703	3.49E-03	1.87E-04	28542.8	1.6513	0.091733	1.10974	231.836

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
575.59	293.896	285.5	3.50E-03	1.87E-04	28535.3	1.6526	0.0921	1.10974	231.835
575.19	293.873	284.901	3.51E-03	1.87E-04	28531.5	1.6533	0.092284	1.10974	231.834
574.79	293.849	284.304	3.52E-03	1.87E-04	28527.7	1.654	0.092468	1.10975	231.834
574.39	293.825	283.709	3.52E-03	1.87E-04	28524	1.6546	0.092651	1.10975	231.834
573.99	293.801	283.115	3.53E-03	1.87E-04	28520.2	1.6553	0.092835	1.10975	231.833
573.59	293.777	282.524	3.54E-03	1.87E-04	28516.5	1.656	0.093019	1.10975	231.833
573.19	293.753	281.934	3.55E-03	1.87E-04	28512.7	1.6566	0.093202	1.10975	231.833
572.79	293.729	281.346	3.55E-03	1.87E-04	28509	1.6573	0.093386	1.10976	231.832
572.39	293.705	280.759	3.56E-03	1.87E-04	28505.2	1.658	0.093569	1.10976	231.832
571.99	293.681	280.175	3.57E-03	1.87E-04	28501.5	1.6586	0.093752	1.10976	231.831
571.59	293.657	279.592	3.58E-03	1.87E-04	28497.7	1.6593	0.093936	1.10976	231.831
571.19	293.633	279.011	3.58E-03	1.87E-04	28494	1.6599	0.094119	1.10977	231.831
570.79	293.609	278.431	3.59E-03	1.87E-04	28490.3	1.6606	0.094302	1.10977	231.83
570.39	293.585	277.853	3.60E-03	1.87E-04	28486.5	1.6612	0.094485	1.10977	231.83
569.99	293.561	277.277	3.61E-03	1.87E-04	28482.8	1.6619	0.094668	1.10977	231.83
569.59	293.537	276.703	3.61E-03	1.87E-04	28479.1	1.6625	0.094851	1.10978	231.829
569.19	293.513	276.13	3.62E-03	1.87E-04	28475.4	1.6632	0.095035	1.10978	231.829
568.79	293.489	275.559	3.63E-03	1.87E-04	28471.7	1.6638	0.095217	1.10978	231.828
568.39	293.465	274.99	3.64E-03	1.87E-04	28468	1.6644	0.0954	1.10978	231.828
567.99	293.441	274.422	3.64E-03	1.87E-04	28464.3	1.6651	0.095583	1.10979	231.828
567.59	293.417	273.856	3.65E-03	1.87E-04	28460.5	1.6657	0.095766	1.10979	231.827
567.19	293.393	273.292	3.66E-03	1.87E-04	28456.8	1.6664	0.095949	1.10979	231.827
566.79	293.369	272.729	3.67E-03	1.87E-04	28453.1	1.667	0.096132	1.10979	231.826
566.39	293.344	272.168	3.67E-03	1.87E-04	28449.5	1.6676	0.096314	1.1098	231.826
565.99	293.32	271.609	3.68E-03	1.87E-04	28445.8	1.6683	0.096497	1.1098	231.826
565.59	293.296	271.051	3.69E-03	1.87E-04	28442.1	1.6689	0.09668	1.1098	231.825
565.19	293.272	270.495	3.70E-03	1.87E-04	28438.4	1.6695	0.096862	1.1098	231.825
564.79	293.248	269.94	3.70E-03	1.87E-04	28434.7	1.6701	0.097045	1.10981	231.824
564.39	293.223	269.387	3.71E-03	1.87E-04	28431	1.6708	0.097227	1.10981	231.824
563.99	293.199	268.836	3.72E-03	1.87E-04	28427.4	1.6714	0.097409	1.10981	231.824
563.59	293.175	268.286	3.73E-03	1.87E-04	28423.7	1.672	0.097592	1.10981	231.823
563.19	293.15	267.738	3.74E-03	1.87E-04	28420	1.6726	0.097774	1.10982	231.823
562.79	293.126	267.191	3.74E-03	1.88E-04	28416.4	1.6732	0.097956	1.10982	231.822
562.39	293.102	266.646	3.75E-03	1.88E-04	28412.7	1.6739	0.098138	1.10982	231.822
561.99	293.078	266.102	3.76E-03	1.88E-04	28409	1.6745	0.098321	1.10983	231.822
561.59	293.053	265.56	3.77E-03	1.88E-04	28405.4	1.6751	0.098503	1.10983	231.821
561.19	293.029	265.02	3.77E-03	1.88E-04	28401.7	1.6757	0.098685	1.10983	231.821
560.79	293.004	264.481	3.78E-03	1.88E-04	28398.1	1.6763	0.098867	1.10983	231.82
560.39	292.98	263.944	3.79E-03	1.88E-04	28394.4	1.6769	0.099049	1.10984	231.82
559.99	292.956	263.408	3.80E-03	1.88E-04	28390.8	1.6775	0.09923	1.10984	231.819
559.59	292.931	262.873	3.80E-03	1.88E-04	28387.1	1.6781	0.099412	1.10984	231.819
559.19	292.907	262.34	3.81E-03	1.88E-04	28383.5	1.6788	0.099594	1.10985	231.819
558.79	292.882	261.809	3.82E-03	1.88E-04	28379.9	1.6794	0.099776	1.10985	231.818
558.39	292.858	261.279	3.83E-03	1.88E-04	28376.2	1.68	0.099958	1.10985	231.818
557.99	292.833	260.751	3.84E-03	1.88E-04	28372.6	1.6806	0.100139	1.10985	231.817
557.59	292.809	260.224	3.84E-03	1.88E-04	28369	1.6812	0.100321	1.10986	231.817
557.19	292.784	259.699	3.85E-03	1.88E-04	28365.4	1.6818	0.100502	1.10986	231.817
556.79	292.76	259.175	3.86E-03	1.88E-04	28361.8	1.6823	0.100684	1.10986	231.816
556.39	292.735	258.652	3.87E-03	1.88E-04	28358.1	1.6829	0.100865	1.10987	231.816
555.99	292.711	258.131	3.87E-03	1.88E-04	28354.5	1.6835	0.101047	1.10987	231.815
555.59	292.686	257.612	3.88E-03	1.88E-04	28350.9	1.6841	0.101228	1.10987	231.815
555.19	292.661	257.094	3.89E-03	1.88E-04	28347.3	1.6847	0.101409	1.10987	231.814
554.79	292.637	256.577	3.90E-03	1.88E-04	28343.7	1.6853	0.10159	1.10988	231.814
554.39	292.612	256.062	3.91E-03	1.88E-04	28340.1	1.6859	0.101772	1.10988	231.813
553.99	292.588	255.548	3.91E-03	1.88E-04	28336.5	1.6865	0.101953	1.10988	231.813
553.59	292.563	255.035	3.92E-03	1.88E-04	28332.9	1.6871	0.102134	1.10989	231.813
553.19	292.538	254.524	3.93E-03	1.88E-04	28329.3	1.6876	0.102315	1.10989	231.812
552.79	292.514	254.015	3.94E-03	1.88E-04	28325.8	1.6882	0.102496	1.10989	231.812
552.39	292.489	253.507	3.94E-03	1.88E-04	28322.2	1.6888	0.102677	1.1099	231.811
551.99	292.464	253	3.95E-03	1.88E-04	28318.6	1.6894	0.102858	1.1099	231.811
551.59	292.439	252.495	3.96E-03	1.88E-04	28315	1.69	0.103039	1.1099	231.81

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
550.79	292.39	251.488	3.98E-03	1.88E-04	28307.9	1.6911	0.1034	1.10991	231.809
550.39	292.365	250.987	3.98E-03	1.88E-04	28304.3	1.6917	0.103581	1.10991	231.809
549.99	292.34	250.487	3.99E-03	1.88E-04	28300.7	1.6923	0.103762	1.10991	231.809
549.59	292.315	249.989	4.00E-03	1.88E-04	28297.2	1.6928	0.103942	1.10992	231.808
549.19	292.291	249.491	4.01E-03	1.88E-04	28293.6	1.6934	0.104123	1.10992	231.808
548.79	292.266	248.996	4.02E-03	1.88E-04	28290.1	1.694	0.104303	1.10992	231.807
548.39	292.241	248.501	4.02E-03	1.88E-04	28286.5	1.6945	0.104484	1.10993	231.807
547.99	292.216	248.008	4.03E-03	1.88E-04	28283	1.6951	0.104664	1.10993	231.806
547.59	292.191	247.516	4.04E-03	1.88E-04	28279.4	1.6957	0.104844	1.10993	231.806
547.19	292.166	247.026	4.05E-03	1.88E-04	28275.9	1.6962	0.105025	1.10994	231.805
546.79	292.141	246.537	4.06E-03	1.88E-04	28272.3	1.6968	0.105205	1.10994	231.805
546.39	292.116	246.049	4.06E-03	1.88E-04	28268.8	1.6973	0.105385	1.10994	231.804
545.99	292.091	245.563	4.07E-03	1.89E-04	28265.3	1.6979	0.105565	1.10995	231.804
545.59	292.066	245.077	4.08E-03	1.89E-04	28261.7	1.6984	0.105745	1.10995	231.804
545.19	292.041	244.594	4.09E-03	1.89E-04	28258.2	1.699	0.105925	1.10995	231.803
544.79	292.016	244.111	4.10E-03	1.89E-04	28254.7	1.6995	0.106105	1.10996	231.803
544.39	291.991	243.63	4.10E-03	1.89E-04	28251.2	1.7001	0.106285	1.10996	231.802
543.99	291.966	243.15	4.11E-03	1.89E-04	28247.6	1.7007	0.106465	1.10996	231.802
543.59	291.941	242.671	4.12E-03	1.89E-04	28244.1	1.7012	0.106645	1.10997	231.801
543.19	291.916	242.194	4.13E-03	1.89E-04	28240.6	1.7017	0.106825	1.10997	231.801
542.79	291.891	241.718	4.14E-03	1.89E-04	28237.1	1.7023	0.107005	1.10997	231.8
542.39	291.866	241.243	4.15E-03	1.89E-04	28233.6	1.7028	0.107184	1.10998	231.8
541.99	291.841	240.769	4.15E-03	1.89E-04	28230.1	1.7034	0.107364	1.10998	231.799
541.59	291.816	240.297	4.16E-03	1.89E-04	28226.6	1.7039	0.107544	1.10998	231.799
541.19	291.79	239.826	4.17E-03	1.89E-04	28223.1	1.7045	0.107723	1.10999	231.798
540.79	291.765	239.356	4.18E-03	1.89E-04	28219.6	1.705	0.107903	1.10999	231.798
540.39	291.74	238.887	4.19E-03	1.89E-04	28216.1	1.7055	0.108082	1.11	231.797
539.99	291.715	238.42	4.19E-03	1.89E-04	28212.6	1.7061	0.108261	1.11	231.797
539.59	291.69	237.953	4.20E-03	1.89E-04	28209.1	1.7066	0.108441	1.11	231.796
539.19	291.664	237.489	4.21E-03	1.89E-04	28205.7	1.7071	0.10862	1.11001	231.796
538.79	291.639	237.025	4.22E-03	1.89E-04	28202.2	1.7077	0.108799	1.11001	231.795
538.39	291.614	236.562	4.23E-03	1.89E-04	28198.7	1.7082	0.108979	1.11001	231.795
537.99	291.589	236.101	4.24E-03	1.89E-04	28195.2	1.7087	0.109158	1.11002	231.794
537.59	291.563	235.641	4.24E-03	1.89E-04	28191.8	1.7093	0.109337	1.11002	231.794
537.19	291.538	235.182	4.25E-03	1.89E-04	28188.3	1.7098	0.109516	1.11002	231.793
536.79	291.513	234.724	4.26E-03	1.89E-04	28184.8	1.7103	0.109695	1.11003	231.793
536.39	291.487	234.268	4.27E-03	1.89E-04	28181.4	1.7108	0.109874	1.11003	231.792
535.99	291.462	233.813	4.28E-03	1.89E-04	28177.9	1.7114	0.110053	1.11003	231.792
535.59	291.436	233.358	4.29E-03	1.89E-04	28174.4	1.7119	0.110231	1.11004	231.791
535.19	291.411	232.905	4.29E-03	1.89E-04	28171	1.7124	0.11041	1.11004	231.791
534.79	291.386	232.454	4.30E-03	1.89E-04	28167.5	1.7129	0.110589	1.11005	231.79
534.39	291.36	232.003	4.31E-03	1.89E-04	28164.1	1.7134	0.110768	1.11005	231.79
533.99	291.335	231.554	4.32E-03	1.89E-04	28160.7	1.714	0.110946	1.11005	231.789
533.59	291.309	231.105	4.33E-03	1.89E-04	28157.2	1.7145	0.111125	1.11006	231.789
533.19	291.284	230.658	4.34E-03	1.89E-04	28153.8	1.715	0.111303	1.11006	231.788
532.79	291.258	230.212	4.34E-03	1.89E-04	28150.3	1.7155	0.111482	1.11006	231.788
532.39	291.233	229.767	4.35E-03	1.89E-04	28146.9	1.716	0.11166	1.11007	231.787
531.99	291.207	229.324	4.36E-03	1.89E-04	28143.5	1.7165	0.111839	1.11007	231.787
531.59	291.182	228.881	4.37E-03	1.89E-04	28140.1	1.717	0.112017	1.11008	231.786
531.19	291.156	228.44	4.38E-03	1.89E-04	28136.6	1.7175	0.112195	1.11008	231.786
530.79	291.13	227.999	4.39E-03	1.89E-04	28133.2	1.718	0.112374	1.11008	231.785
530.39	291.105	227.56	4.39E-03	1.89E-04	28129.8	1.7185	0.112552	1.11009	231.784
529.99	291.079	227.122	4.40E-03	1.89E-04	28126.4	1.7191	0.11273	1.11009	231.784
529.59	291.054	226.685	4.41E-03	1.89E-04	28123	1.7196	0.112908	1.1101	231.783
529.19	291.028	226.249	4.42E-03	1.89E-04	28119.6	1.7201	0.113086	1.1101	231.783
528.79	291.002	225.814	4.43E-03	1.90E-04	28116.1	1.7206	0.113264	1.1101	231.782
528.39	290.977	225.381	4.44E-03	1.90E-04	28112.7	1.7211	0.113442	1.11011	231.782
527.99	290.951	224.948	4.45E-03	1.90E-04	28109.3	1.7216	0.11362	1.11011	231.781
527.59	290.925	224.517	4.45E-03	1.90E-04	28105.9	1.722	0.113798	1.11011	231.781
527.19	290.899	224.086	4.46E-03	1.90E-04	28102.6	1.7225	0.113975	1.11012	231.78
526.79	290.874	223.657	4.47E-03	1.90E-04	28099.2	1.723	0.114153	1.11012	231.78

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
525.99	290.822	222.802	4.49E-03	1.90E-04	28092.4	1.724	0.114508	1.11013	231.779
525.59	290.796	222.376	4.50E-03	1.90E-04	28089	1.7245	0.114686	1.11013	231.778
525.19	290.77	221.951	4.51E-03	1.90E-04	28085.6	1.725	0.114863	1.11014	231.777
524.79	290.745	221.527	4.51E-03	1.90E-04	28082.2	1.7255	0.115041	1.11014	231.777
524.39	290.719	221.104	4.52E-03	1.90E-04	28078.9	1.726	0.115218	1.11015	231.776
523.99	290.693	220.682	4.53E-03	1.90E-04	28075.5	1.7265	0.115396	1.11015	231.776
523.59	290.667	220.261	4.54E-03	1.90E-04	28072.1	1.7269	0.115573	1.11016	231.775
523.19	290.641	219.842	4.55E-03	1.90E-04	28068.8	1.7274	0.11575	1.11016	231.775
522.79	290.615	219.423	4.56E-03	1.90E-04	28065.4	1.7279	0.115928	1.11016	231.774
522.39	290.589	219.005	4.57E-03	1.90E-04	28062	1.7284	0.116105	1.11017	231.774
521.99	290.563	218.589	4.57E-03	1.90E-04	28058.7	1.7289	0.116282	1.11017	231.773
521.59	290.537	218.173	4.58E-03	1.90E-04	28055.3	1.7293	0.116459	1.11018	231.772
521.19	290.511	217.759	4.59E-03	1.90E-04	28052	1.7298	0.116636	1.11018	231.772
520.79	290.485	217.345	4.60E-03	1.90E-04	28048.6	1.7303	0.116813	1.11018	231.771
520.39	290.459	216.933	4.61E-03	1.90E-04	28045.3	1.7308	0.11699	1.11019	231.771
519.99	290.433	216.521	4.62E-03	1.90E-04	28041.9	1.7312	0.117167	1.11019	231.77
519.59	290.407	216.111	4.63E-03	1.90E-04	28038.6	1.7317	0.117343	1.1102	231.77
519.19	290.381	215.701	4.64E-03	1.90E-04	28035.2	1.7322	0.11752	1.1102	231.769
518.79	290.355	215.293	4.64E-03	1.90E-04	28031.9	1.7326	0.117697	1.11021	231.768
518.39	290.328	214.885	4.65E-03	1.90E-04	28028.6	1.7331	0.117873	1.11021	231.768
517.99	290.302	214.479	4.66E-03	1.90E-04	28025.3	1.7336	0.11805	1.11021	231.767
517.59	290.276	214.074	4.67E-03	1.90E-04	28021.9	1.734	0.118227	1.11022	231.767
517.19	290.25	213.669	4.68E-03	1.90E-04	28018.6	1.7345	0.118403	1.11022	231.766
516.79	290.224	213.266	4.69E-03	1.90E-04	28015.3	1.735	0.11858	1.11023	231.765
516.39	290.198	212.863	4.70E-03	1.90E-04	28012	1.7354	0.118756	1.11023	231.765
515.99	290.171	212.462	4.71E-03	1.90E-04	28008.6	1.7359	0.118932	1.11023	231.764
515.59	290.145	212.061	4.72E-03	1.90E-04	28005.3	1.7364	0.119109	1.11024	231.764
515.19	290.119	211.661	4.72E-03	1.90E-04	28002	1.7368	0.119285	1.11024	231.763
514.79	290.092	211.263	4.73E-03	1.90E-04	27998.7	1.7373	0.119461	1.11025	231.762
514.39	290.066	210.865	4.74E-03	1.90E-04	27995.4	1.7377	0.119637	1.11025	231.762
513.99	290.04	210.468	4.75E-03	1.90E-04	27992.1	1.7382	0.119813	1.11026	231.761
513.59	290.013	210.073	4.76E-03	1.90E-04	27988.8	1.7386	0.119989	1.11026	231.761
513.19	289.987	209.678	4.77E-03	1.90E-04	27985.5	1.7391	0.120165	1.11027	231.76
512.79	289.961	209.284	4.78E-03	1.90E-04	27982.2	1.7395	0.120341	1.11027	231.759
512.39	289.934	208.891	4.79E-03	1.90E-04	27978.9	1.74	0.120517	1.11027	231.759
511.99	289.908	208.499	4.80E-03	1.90E-04	27975.6	1.7404	0.120693	1.11028	231.758
511.59	289.881	208.108	4.81E-03	1.90E-04	27972.3	1.7409	0.120869	1.11028	231.758
511.19	289.855	207.718	4.81E-03	1.90E-04	27969.1	1.7413	0.121044	1.11029	231.757
510.79	289.828	207.329	4.82E-03	1.91E-04	27965.8	1.7418	0.12122	1.11029	231.756
510.39	289.802	206.941	4.83E-03	1.91E-04	27962.5	1.7422	0.121396	1.1103	231.756
509.99	289.775	206.554	4.84E-03	1.91E-04	27959.2	1.7427	0.121571	1.1103	231.755
509.59	289.749	206.167	4.85E-03	1.91E-04	27956	1.7431	0.121747	1.11031	231.754
509.19	289.722	205.782	4.86E-03	1.91E-04	27952.7	1.7436	0.121922	1.11031	231.754
508.79	289.696	205.397	4.87E-03	1.91E-04	27949.4	1.744	0.122097	1.11031	231.753
508.39	289.669	205.014	4.88E-03	1.91E-04	27946.1	1.7444	0.122273	1.11032	231.753
507.99	289.643	204.631	4.89E-03	1.91E-04	27942.9	1.7449	0.122448	1.11032	231.752
507.59	289.616	204.249	4.90E-03	1.91E-04	27939.6	1.7453	0.122623	1.11033	231.751
507.19	289.589	203.868	4.91E-03	1.91E-04	27936.4	1.7457	0.122799	1.11033	231.751
506.79	289.563	203.488	4.91E-03	1.91E-04	27933.1	1.7462	0.122974	1.11034	231.75
506.39	289.536	203.109	4.92E-03	1.91E-04	27929.9	1.7466	0.123149	1.11034	231.749
505.99	289.509	202.731	4.93E-03	1.91E-04	27926.6	1.747	0.123324	1.11035	231.749
505.59	289.483	202.353	4.94E-03	1.91E-04	27923.4	1.7475	0.123499	1.11035	231.748
505.19	289.456	201.977	4.95E-03	1.91E-04	27920.1	1.7479	0.123674	1.11036	231.747
504.79	289.429	201.601	4.96E-03	1.91E-04	27916.9	1.7483	0.123849	1.11036	231.747
504.39	289.402	201.227	4.97E-03	1.91E-04	27913.6	1.7488	0.124023	1.11037	231.746
503.99	289.376	200.853	4.98E-03	1.91E-04	27910.4	1.7492	0.124198	1.11037	231.745
503.59	289.349	200.48	4.99E-03	1.91E-04	27907.2	1.7496	0.124373	1.11037	231.745
503.19	289.322	200.108	5.00E-03	1.91E-04	27903.9	1.75	0.124548	1.11038	231.744
502.79	289.295	199.737	5.01E-03	1.91E-04	27900.7	1.7505	0.124722	1.11038	231.743
502.39	289.268	199.366	5.02E-03	1.91E-04	27897.5	1.7509	0.124897	1.11039	231.743
501.99	289.241	198.997	5.03E-03	1.91E-04	27894.3	1.7513	0.125071	1.11039	231.742

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
501.19	289.187	198.261	5.04E-03	1.91E-04	27887.8	1.7522	0.12542	1.1104	231.741
500.79	289.161	197.894	5.05E-03	1.91E-04	27884.6	1.7526	0.125594	1.11041	231.74
500.39	289.134	197.528	5.06E-03	1.91E-04	27881.4	1.753	0.125769	1.11041	231.739
499.99	289.107	197.162	5.07E-03	1.91E-04	27878.2	1.7534	0.125943	1.11042	231.739
499.59	289.08	196.798	5.08E-03	1.91E-04	27875	1.7538	0.126117	1.11042	231.738
499.19	289.053	196.434	5.09E-03	1.91E-04	27871.8	1.7542	0.126291	1.11043	231.737
498.79	289.026	196.072	5.10E-03	1.91E-04	27868.6	1.7546	0.126465	1.11043	231.737
498.39	288.998	195.71	5.11E-03	1.91E-04	27865.4	1.7551	0.12664	1.11044	231.736
497.99	288.971	195.349	5.12E-03	1.91E-04	27862.2	1.7555	0.126813	1.11044	231.735
497.59	288.944	194.989	5.13E-03	1.91E-04	27859	1.7559	0.126987	1.11045	231.735
497.19	288.917	194.629	5.14E-03	1.91E-04	27855.8	1.7563	0.127161	1.11045	231.734
496.79	288.89	194.271	5.15E-03	1.91E-04	27852.6	1.7567	0.127335	1.11046	231.733
496.39	288.863	193.913	5.16E-03	1.91E-04	27849.4	1.7571	0.127509	1.11046	231.733
495.99	288.836	193.556	5.17E-03	1.91E-04	27846.2	1.7575	0.127683	1.11047	231.732
495.59	288.809	193.2	5.18E-03	1.91E-04	27843.1	1.7579	0.127856	1.11047	231.731
495.19	288.781	192.845	5.19E-03	1.91E-04	27839.9	1.7583	0.12803	1.11048	231.73
494.79	288.754	192.49	5.20E-03	1.91E-04	27836.7	1.7587	0.128203	1.11048	231.73
494.39	288.727	192.136	5.20E-03	1.91E-04	27833.5	1.7591	0.128377	1.11049	231.729
493.99	288.7	191.784	5.21E-03	1.91E-04	27830.4	1.7595	0.12855	1.11049	231.728
493.59	288.672	191.431	5.22E-03	1.91E-04	27827.2	1.7599	0.128724	1.1105	231.728
493.19	288.645	191.08	5.23E-03	1.91E-04	27824	1.7603	0.128897	1.1105	231.727
492.79	288.618	190.73	5.24E-03	1.92E-04	27820.9	1.7607	0.12907	1.11051	231.726
492.39	288.59	190.38	5.25E-03	1.92E-04	27817.7	1.7611	0.129244	1.11051	231.725
491.99	288.563	190.031	5.26E-03	1.92E-04	27814.5	1.7615	0.129417	1.11052	231.725
491.59	288.536	189.683	5.27E-03	1.92E-04	27811.4	1.7619	0.12959	1.11052	231.724
491.19	288.508	189.336	5.28E-03	1.92E-04	27808.2	1.7623	0.129763	1.11053	231.723
490.79	288.481	188.989	5.29E-03	1.92E-04	27805.1	1.7627	0.129936	1.11053	231.722
490.39	288.453	188.643	5.30E-03	1.92E-04	27801.9	1.7631	0.130109	1.11054	231.722
489.99	288.426	188.298	5.31E-03	1.92E-04	27798.8	1.7635	0.130282	1.11054	231.721
489.59	288.398	187.954	5.32E-03	1.92E-04	27795.6	1.7639	0.130455	1.11055	231.72
489.19	288.371	187.61	5.33E-03	1.92E-04	27792.5	1.7642	0.130628	1.11055	231.72
488.79	288.343	187.268	5.34E-03	1.92E-04	27789.4	1.7646	0.1308	1.11056	231.719
488.39	288.316	186.926	5.35E-03	1.92E-04	27786.2	1.765	0.130973	1.11056	231.718
487.99	288.288	186.585	5.36E-03	1.92E-04	27783.1	1.7654	0.131146	1.11057	231.717
487.59	288.261	186.244	5.37E-03	1.92E-04	27780	1.7658	0.131318	1.11057	231.717
487.19	288.233	185.904	5.38E-03	1.92E-04	27776.8	1.7662	0.131491	1.11058	231.716
486.79	288.205	185.565	5.39E-03	1.92E-04	27773.7	1.7665	0.131663	1.11058	231.715
486.39	288.178	185.227	5.40E-03	1.92E-04	27770.6	1.7669	0.131836	1.11059	231.714
485.99	288.15	184.89	5.41E-03	1.92E-04	27767.5	1.7673	0.132008	1.11059	231.714
485.59	288.122	184.553	5.42E-03	1.92E-04	27764.3	1.7677	0.13218	1.1106	231.713
485.19	288.095	184.217	5.43E-03	1.92E-04	27761.2	1.7681	0.132353	1.1106	231.712
484.79	288.067	183.882	5.44E-03	1.92E-04	27758.1	1.7684	0.132525	1.11061	231.711
484.39	288.039	183.548	5.45E-03	1.92E-04	27755	1.7688	0.132697	1.11061	231.71
483.99	288.011	183.214	5.46E-03	1.92E-04	27751.9	1.7692	0.132869	1.11062	231.71
483.59	287.984	182.881	5.47E-03	1.92E-04	27748.8	1.7696	0.133041	1.11062	231.709
483.19	287.956	182.549	5.48E-03	1.92E-04	27745.7	1.7699	0.133213	1.11063	231.708
482.79	287.928	182.217	5.49E-03	1.92E-04	27742.6	1.7703	0.133385	1.11063	231.707
482.39	287.9	181.886	5.50E-03	1.92E-04	27739.5	1.7707	0.133557	1.11064	231.707
481.99	287.872	181.556	5.51E-03	1.92E-04	27736.4	1.7711	0.133729	1.11064	231.706
481.59	287.844	181.227	5.52E-03	1.92E-04	27733.3	1.7714	0.133901	1.11065	231.705
481.19	287.816	180.898	5.53E-03	1.92E-04	27730.2	1.7718	0.134072	1.11066	231.704
480.79	287.788	180.57	5.54E-03	1.92E-04	27727.1	1.7722	0.134244	1.11066	231.703
480.39	287.761	180.243	5.55E-03	1.92E-04	27724	1.7725	0.134416	1.11067	231.703
479.99	287.733	179.916	5.56E-03	1.92E-04	27720.9	1.7729	0.134587	1.11067	231.702
479.59	287.705	179.591	5.57E-03	1.92E-04	27717.8	1.7733	0.134759	1.11068	231.701
479.19	287.677	179.266	5.58E-03	1.92E-04	27714.8	1.7736	0.13493	1.11068	231.7
478.79	287.649	178.941	5.59E-03	1.92E-04	27711.7	1.774	0.135102	1.11069	231.699
478.39	287.62	178.618	5.60E-03	1.92E-04	27708.6	1.7743	0.135273	1.11069	231.699
477.99	287.592	178.295	5.61E-03	1.92E-04	27705.5	1.7747	0.135444	1.1107	231.698
477.59	287.564	177.972	5.62E-03	1.92E-04	27702.5	1.7751	0.135615	1.1107	231.697
477.19	287.536	177.651	5.63E-03	1.92E-04	27699.4	1.7754	0.135787	1.11071	231.696

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
476.39	287.48	177.01	5.65E-03	1.92E-04	27693.3	1.7761	0.136129	1.11072	231.695
475.99	287.452	176.69	5.66E-03	1.92E-04	27690.2	1.7765	0.1363	1.11072	231.694
475.59	287.423	176.371	5.67E-03	1.92E-04	27687.1	1.7768	0.136471	1.11073	231.693
475.19	287.395	176.053	5.68E-03	1.92E-04	27684.1	1.7772	0.136642	1.11074	231.692
474.79	287.367	175.736	5.69E-03	1.92E-04	27681	1.7776	0.136813	1.11074	231.691
474.39	287.339	175.419	5.70E-03	1.93E-04	27678	1.7779	0.136983	1.11075	231.69
473.99	287.31	175.103	5.71E-03	1.93E-04	27674.9	1.7783	0.137154	1.11075	231.69
473.59	287.282	174.787	5.72E-03	1.93E-04	27671.9	1.7786	0.137325	1.11076	231.689
473.19	287.254	174.472	5.73E-03	1.93E-04	27668.8	1.779	0.137495	1.11076	231.688
472.79	287.226	174.158	5.74E-03	1.93E-04	27665.8	1.7793	0.137666	1.11077	231.687
472.39	287.197	173.845	5.75E-03	1.93E-04	27662.7	1.7796	0.137836	1.11077	231.686
471.99	287.169	173.532	5.76E-03	1.93E-04	27659.7	1.78	0.138007	1.11078	231.685
471.59	287.14	173.22	5.77E-03	1.93E-04	27656.7	1.7803	0.138177	1.11078	231.684
471.19	287.112	172.909	5.78E-03	1.93E-04	27653.6	1.7807	0.138348	1.11079	231.684
470.79	287.083	172.598	5.79E-03	1.93E-04	27650.6	1.781	0.138518	1.1108	231.683
470.39	287.055	172.288	5.80E-03	1.93E-04	27647.6	1.7814	0.138688	1.1108	231.682
469.99	287.026	171.978	5.81E-03	1.93E-04	27644.5	1.7817	0.138858	1.11081	231.681
469.59	286.998	171.669	5.83E-03	1.93E-04	27641.5	1.7821	0.139028	1.11081	231.68
469.19	286.969	171.361	5.84E-03	1.93E-04	27638.5	1.7824	0.139198	1.11082	231.679
468.79	286.941	171.054	5.85E-03	1.93E-04	27635.5	1.7827	0.139368	1.11082	231.678
468.39	286.912	170.747	5.86E-03	1.93E-04	27632.5	1.7831	0.139538	1.11083	231.677
467.99	286.884	170.441	5.87E-03	1.93E-04	27629.4	1.7834	0.139708	1.11084	231.677
467.59	286.855	170.135	5.88E-03	1.93E-04	27626.4	1.7837	0.139878	1.11084	231.676
467.19	286.826	169.83	5.89E-03	1.93E-04	27623.4	1.7841	0.140048	1.11085	231.675
466.79	286.798	169.526	5.90E-03	1.93E-04	27620.4	1.7844	0.140218	1.11085	231.674
466.39	286.769	169.222	5.91E-03	1.93E-04	27617.4	1.7847	0.140387	1.11086	231.673
465.99	286.74	168.919	5.92E-03	1.93E-04	27614.4	1.7851	0.140557	1.11086	231.672
465.59	286.712	168.617	5.93E-03	1.93E-04	27611.4	1.7854	0.140727	1.11087	231.671
465.19	286.683	168.315	5.94E-03	1.93E-04	27608.4	1.7857	0.140896	1.11087	231.67
464.79	286.654	168.014	5.95E-03	1.93E-04	27605.4	1.7861	0.141065	1.11088	231.669
464.39	286.625	167.713	5.96E-03	1.93E-04	27602.4	1.7864	0.141235	1.11089	231.669
463.99	286.596	167.413	5.97E-03	1.93E-04	27599.4	1.7867	0.141404	1.11089	231.668
463.59	286.568	167.114	5.98E-03	1.93E-04	27596.4	1.7871	0.141573	1.1109	231.667
463.19	286.539	166.815	5.99E-03	1.93E-04	27593.4	1.7874	0.141743	1.1109	231.666
462.79	286.51	166.517	6.01E-03	1.93E-04	27590.4	1.7877	0.141912	1.11091	231.665
462.39	286.481	166.22	6.02E-03	1.93E-04	27587.5	1.788	0.142081	1.11091	231.664
461.99	286.452	165.923	6.03E-03	1.93E-04	27584.5	1.7884	0.14225	1.11092	231.663
461.59	286.423	165.627	6.04E-03	1.93E-04	27581.5	1.7887	0.142419	1.11093	231.662
461.19	286.394	165.331	6.05E-03	1.93E-04	27578.5	1.789	0.142588	1.11093	231.661
460.79	286.365	165.036	6.06E-03	1.93E-04	27575.5	1.7893	0.142757	1.11094	231.66
460.39	286.336	164.742	6.07E-03	1.93E-04	27572.6	1.7896	0.142926	1.11094	231.659
459.99	286.307	164.448	6.08E-03	1.93E-04	27569.6	1.79	0.143094	1.11095	231.658
459.59	286.278	164.155	6.09E-03	1.93E-04	27566.6	1.7903	0.143263	1.11095	231.657
459.19	286.249	163.862	6.10E-03	1.93E-04	27563.6	1.7906	0.143432	1.11096	231.656
458.79	286.22	163.57	6.11E-03	1.93E-04	27560.7	1.7909	0.1436	1.11097	231.656
458.39	286.191	163.279	6.12E-03	1.93E-04	27557.7	1.7912	0.143769	1.11097	231.655
457.99	286.161	162.988	6.14E-03	1.93E-04	27554.8	1.7915	0.143937	1.11098	231.654
457.59	286.132	162.698	6.15E-03	1.93E-04	27551.8	1.7919	0.144106	1.11098	231.653
457.19	286.103	162.408	6.16E-03	1.93E-04	27548.8	1.7922	0.144274	1.11099	231.652
456.79	286.074	162.119	6.17E-03	1.93E-04	27545.9	1.7925	0.144442	1.111	231.651
456.39	286.045	161.831	6.18E-03	1.93E-04	27542.9	1.7928	0.144611	1.111	231.65
455.99	286.015	161.543	6.19E-03	1.93E-04	27540	1.7931	0.144779	1.11101	231.649
455.59	285.986	161.256	6.20E-03	1.93E-04	27537	1.7934	0.144947	1.11101	231.648
455.19	285.957	160.969	6.21E-03	1.94E-04	27534.1	1.7937	0.145115	1.11102	231.647
454.79	285.927	160.683	6.22E-03	1.94E-04	27531.1	1.794	0.145283	1.11102	231.646
454.39	285.898	160.397	6.23E-03	1.94E-04	27528.2	1.7943	0.145451	1.11103	231.645
453.99	285.869	160.112	6.25E-03	1.94E-04	27525.3	1.7946	0.145619	1.11104	231.644
453.59	285.839	159.828	6.26E-03	1.94E-04	27522.3	1.7949	0.145787	1.11104	231.643
453.19	285.81	159.544	6.27E-03	1.94E-04	27519.4	1.7952	0.145954	1.11105	231.642
452.79	285.78	159.261	6.28E-03	1.94E-04	27516.5	1.7955	0.146122	1.11105	231.641
452.39	285.751	158.978	6.29E-03	1.94E-04	27513.5	1.7958	0.14629	1.11106	231.64

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
451.59	285.692	158.415	6.31E-03	1.94E-04	27507.7	1.7965	0.146625	1.11107	231.638
451.19	285.662	158.134	6.32E-03	1.94E-04	27504.7	1.7968	0.146792	1.11108	231.637
450.79	285.633	157.853	6.34E-03	1.94E-04	27501.8	1.7971	0.14696	1.11108	231.636
450.39	285.603	157.574	6.35E-03	1.94E-04	27498.9	1.7973	0.147127	1.11109	231.635
449.99	285.574	157.294	6.36E-03	1.94E-04	27496	1.7976	0.147295	1.1111	231.634
449.59	285.544	157.016	6.37E-03	1.94E-04	27493.1	1.7979	0.147462	1.1111	231.633
449.19	285.514	156.737	6.38E-03	1.94E-04	27490.1	1.7982	0.147629	1.11111	231.632
448.79	285.485	156.46	6.39E-03	1.94E-04	27487.2	1.7985	0.147796	1.11111	231.631
448.39	285.455	156.183	6.40E-03	1.94E-04	27484.3	1.7988	0.147963	1.11112	231.63
447.99	285.425	155.906	6.41E-03	1.94E-04	27481.4	1.7991	0.14813	1.11113	231.629
447.59	285.395	155.63	6.43E-03	1.94E-04	27478.5	1.7994	0.148297	1.11113	231.628
447.19	285.366	155.355	6.44E-03	1.94E-04	27475.6	1.7997	0.148464	1.11114	231.627
446.79	285.336	155.08	6.45E-03	1.94E-04	27472.7	1.8	0.148631	1.11114	231.626
446.39	285.306	154.806	6.46E-03	1.94E-04	27469.8	1.8003	0.148798	1.11115	231.624
445.99	285.276	154.532	6.47E-03	1.94E-04	27466.9	1.8006	0.148964	1.11116	231.623
445.59	285.246	154.259	6.48E-03	1.94E-04	27464	1.8009	0.149131	1.11116	231.622
445.19	285.216	153.986	6.49E-03	1.94E-04	27461.1	1.8011	0.149298	1.11117	231.621
444.79	285.186	153.714	6.51E-03	1.94E-04	27458.2	1.8014	0.149464	1.11117	231.62
444.39	285.157	153.442	6.52E-03	1.94E-04	27455.3	1.8017	0.149631	1.11118	231.619
443.99	285.127	153.171	6.53E-03	1.94E-04	27452.4	1.802	0.149797	1.11119	231.618
443.59	285.097	152.9	6.54E-03	1.94E-04	27449.5	1.8023	0.149963	1.11119	231.617
443.19	285.067	152.63	6.55E-03	1.94E-04	27446.6	1.8026	0.15013	1.1112	231.616
442.79	285.037	152.361	6.56E-03	1.94E-04	27443.8	1.8029	0.150296	1.1112	231.615
442.39	285.006	152.092	6.58E-03	1.94E-04	27440.9	1.8031	0.150462	1.11121	231.614
441.99	284.976	151.823	6.59E-03	1.94E-04	27438	1.8034	0.150628	1.11122	231.613
441.59	284.946	151.556	6.60E-03	1.94E-04	27435.1	1.8037	0.150794	1.11122	231.612
441.19	284.916	151.288	6.61E-03	1.94E-04	27432.2	1.804	0.15096	1.11123	231.61
440.79	284.886	151.021	6.62E-03	1.94E-04	27429.4	1.8043	0.151126	1.11123	231.609
440.39	284.856	150.755	6.63E-03	1.94E-04	27426.5	1.8045	0.151292	1.11124	231.608
439.99	284.826	150.489	6.65E-03	1.94E-04	27423.6	1.8048	0.151458	1.11125	231.607
439.59	284.795	150.224	6.66E-03	1.94E-04	27420.8	1.8051	0.151624	1.11125	231.606
439.19	284.765	149.959	6.67E-03	1.94E-04	27417.9	1.8054	0.151789	1.11126	231.605
438.79	284.735	149.694	6.68E-03	1.94E-04	27415	1.8056	0.151955	1.11126	231.604
438.39	284.705	149.431	6.69E-03	1.94E-04	27412.2	1.8059	0.152121	1.11127	231.603
437.99	284.674	149.167	6.70E-03	1.94E-04	27409.3	1.8062	0.152286	1.11128	231.602
437.59	284.644	148.905	6.72E-03	1.94E-04	27406.5	1.8065	0.152452	1.11128	231.6
437.19	284.613	148.642	6.73E-03	1.94E-04	27403.6	1.8067	0.152617	1.11129	231.599
436.79	284.583	148.381	6.74E-03	1.94E-04	27400.7	1.807	0.152782	1.1113	231.598
436.39	284.553	148.119	6.75E-03	1.94E-04	27397.9	1.8073	0.152948	1.1113	231.597
435.99	284.522	147.859	6.76E-03	1.94E-04	27395	1.8075	0.153113	1.11131	231.596
435.59	284.492	147.598	6.78E-03	1.95E-04	27392.2	1.8078	0.153278	1.11131	231.595
435.19	284.461	147.339	6.79E-03	1.95E-04	27389.3	1.8081	0.153443	1.11132	231.594
434.79	284.431	147.079	6.80E-03	1.95E-04	27386.5	1.8083	0.153608	1.11133	231.592
434.39	284.4	146.821	6.81E-03	1.95E-04	27383.6	1.8086	0.153773	1.11133	231.591
433.99	284.37	146.562	6.82E-03	1.95E-04	27380.8	1.8089	0.153938	1.11134	231.59
433.59	284.339	146.304	6.84E-03	1.95E-04	27378	1.8091	0.154103	1.11134	231.589
433.19	284.308	146.047	6.85E-03	1.95E-04	27375.1	1.8094	0.154268	1.11135	231.588
432.79	284.278	145.79	6.86E-03	1.95E-04	27372.3	1.8097	0.154432	1.11136	231.586
432.39	284.247	145.534	6.87E-03	1.95E-04	27369.5	1.8099	0.154597	1.11136	231.585
431.99	284.216	145.278	6.88E-03	1.95E-04	27366.6	1.8102	0.154761	1.11137	231.584
431.59	284.186	145.023	6.90E-03	1.95E-04	27363.8	1.8104	0.154926	1.11138	231.583
431.19	284.155	144.768	6.91E-03	1.95E-04	27361	1.8107	0.15509	1.11138	231.582
430.79	284.124	144.514	6.92E-03	1.95E-04	27358.1	1.811	0.155255	1.11139	231.581
430.39	284.093	144.26	6.93E-03	1.95E-04	27355.3	1.8112	0.155419	1.11139	231.579
429.99	284.062	144.006	6.94E-03	1.95E-04	27352.5	1.8115	0.155583	1.1114	231.578
429.59	284.032	143.754	6.96E-03	1.95E-04	27349.7	1.8117	0.155748	1.11141	231.577
429.19	284.001	143.501	6.97E-03	1.95E-04	27346.8	1.812	0.155912	1.11141	231.576
428.79	283.97	143.249	6.98E-03	1.95E-04	27344	1.8122	0.156076	1.11142	231.574
428.39	283.939	142.998	6.99E-03	1.95E-04	27341.2	1.8125	0.15624	1.11143	231.573
427.99	283.908	142.747	7.01E-03	1.95E-04	27338.4	1.8127	0.156404	1.11143	231.572
427.59	283.877	142.496	7.02E-03	1.95E-04	27335.6	1.813	0.156568	1.11144	231.571

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
426.79	283.815	141.996	7.04E-03	1.95E-04	27330	1.8135	0.156895	1.11145	231.568
426.39	283.784	141.747	7.05E-03	1.95E-04	27327.2	1.8137	0.157059	1.11146	231.567
425.99	283.753	141.499	7.07E-03	1.95E-04	27324.3	1.814	0.157223	1.11146	231.566
425.59	283.722	141.25	7.08E-03	1.95E-04	27321.5	1.8142	0.157386	1.11147	231.565
425.19	283.691	141.003	7.09E-03	1.95E-04	27318.7	1.8145	0.15755	1.11148	231.563
424.79	283.659	140.755	7.10E-03	1.95E-04	27315.9	1.8147	0.157713	1.11148	231.562
424.39	283.628	140.509	7.12E-03	1.95E-04	27313.1	1.815	0.157877	1.11149	231.561
423.99	283.597	140.262	7.13E-03	1.95E-04	27310.3	1.8152	0.15804	1.11149	231.559
423.59	283.566	140.016	7.14E-03	1.95E-04	27307.5	1.8155	0.158203	1.1115	231.558
423.19	283.534	139.771	7.15E-03	1.95E-04	27304.8	1.8157	0.158367	1.11151	231.557
422.79	283.503	139.526	7.17E-03	1.95E-04	27302	1.816	0.15853	1.11151	231.556
422.39	283.472	139.281	7.18E-03	1.95E-04	27299.2	1.8162	0.158693	1.11152	231.554
421.99	283.441	139.037	7.19E-03	1.95E-04	27296.4	1.8164	0.158856	1.11153	231.553
421.59	283.409	138.794	7.20E-03	1.95E-04	27293.6	1.8167	0.159019	1.11153	231.552
421.19	283.378	138.55	7.22E-03	1.95E-04	27290.8	1.8169	0.159182	1.11154	231.55
420.79	283.346	138.308	7.23E-03	1.95E-04	27288	1.8172	0.159344	1.11155	231.549
420.39	283.315	138.065	7.24E-03	1.95E-04	27285.2	1.8174	0.159507	1.11155	231.548
419.99	283.283	137.824	7.26E-03	1.95E-04	27282.5	1.8176	0.15967	1.11156	231.547
419.59	283.252	137.582	7.27E-03	1.95E-04	27279.7	1.8179	0.159833	1.11156	231.545
419.19	283.22	137.341	7.28E-03	1.95E-04	27276.9	1.8181	0.159995	1.11157	231.544
418.79	283.189	137.101	7.29E-03	1.95E-04	27274.1	1.8183	0.160158	1.11158	231.543
418.39	283.157	136.861	7.31E-03	1.95E-04	27271.4	1.8186	0.16032	1.11158	231.541
417.99	283.126	136.621	7.32E-03	1.95E-04	27268.6	1.8188	0.160482	1.11159	231.54
417.59	283.094	136.382	7.33E-03	1.95E-04	27265.8	1.819	0.160645	1.1116	231.539
417.19	283.062	136.143	7.35E-03	1.95E-04	27263	1.8193	0.160807	1.1116	231.537
416.79	283.031	135.905	7.36E-03	1.95E-04	27260.3	1.8195	0.160969	1.11161	231.536
416.39	282.999	135.667	7.37E-03	1.95E-04	27257.5	1.8197	0.161131	1.11162	231.534
415.99	282.967	135.43	7.38E-03	1.95E-04	27254.7	1.82	0.161293	1.11162	231.533
415.59	282.935	135.193	7.40E-03	1.96E-04	27252	1.8202	0.161455	1.11163	231.532
415.19	282.904	134.956	7.41E-03	1.96E-04	27249.2	1.8204	0.161617	1.11163	231.53
414.79	282.872	134.72	7.42E-03	1.96E-04	27246.5	1.8207	0.161779	1.11164	231.529
414.39	282.84	134.484	7.44E-03	1.96E-04	27243.7	1.8209	0.161941	1.11165	231.528
413.99	282.808	134.249	7.45E-03	1.96E-04	27240.9	1.8211	0.162102	1.11165	231.526
413.59	282.776	134.014	7.46E-03	1.96E-04	27238.2	1.8213	0.162264	1.11166	231.525
413.19	282.744	133.78	7.48E-03	1.96E-04	27235.4	1.8216	0.162426	1.11167	231.523
412.79	282.712	133.546	7.49E-03	1.96E-04	27232.7	1.8218	0.162587	1.11167	231.522
412.39	282.68	133.312	7.50E-03	1.96E-04	27229.9	1.822	0.162749	1.11168	231.521
411.99	282.648	133.079	7.51E-03	1.96E-04	27227.2	1.8222	0.16291	1.11169	231.519
411.59	282.616	132.846	7.53E-03	1.96E-04	27224.4	1.8225	0.163071	1.11169	231.518
411.19	282.584	132.614	7.54E-03	1.96E-04	27221.7	1.8227	0.163233	1.1117	231.516
410.79	282.552	132.382	7.55E-03	1.96E-04	27218.9	1.8229	0.163394	1.1117	231.515
410.39	282.52	132.151	7.57E-03	1.96E-04	27216.2	1.8231	0.163555	1.11171	231.514
409.99	282.488	131.92	7.58E-03	1.96E-04	27213.5	1.8233	0.163716	1.11172	231.512
409.59	282.456	131.689	7.59E-03	1.96E-04	27210.7	1.8236	0.163877	1.11172	231.511
409.19	282.424	131.459	7.61E-03	1.96E-04	27208	1.8238	0.164038	1.11173	231.509
408.79	282.391	131.229	7.62E-03	1.96E-04	27205.2	1.824	0.164199	1.11174	231.508
408.39	282.359	131	7.63E-03	1.96E-04	27202.5	1.8242	0.164359	1.11174	231.506
407.99	282.327	130.771	7.65E-03	1.96E-04	27199.8	1.8244	0.16452	1.11175	231.505
407.59	282.294	130.542	7.66E-03	1.96E-04	27197	1.8246	0.164681	1.11176	231.503
407.19	282.262	130.314	7.67E-03	1.96E-04	27194.3	1.8249	0.164841	1.11176	231.502
406.79	282.23	130.086	7.69E-03	1.96E-04	27191.6	1.8251	0.165002	1.11177	231.5
406.39	282.197	129.859	7.70E-03	1.96E-04	27188.9	1.8253	0.165162	1.11177	231.499
405.99	282.165	129.632	7.71E-03	1.96E-04	27186.1	1.8255	0.165323	1.11178	231.498
405.59	282.132	129.405	7.73E-03	1.96E-04	27183.4	1.8257	0.165483	1.11179	231.496
405.19	282.1	129.179	7.74E-03	1.96E-04	27180.7	1.8259	0.165643	1.11179	231.495
404.79	282.067	128.953	7.75E-03	1.96E-04	27178	1.8261	0.165803	1.1118	231.493
404.39	282.035	128.728	7.77E-03	1.96E-04	27175.2	1.8263	0.165963	1.11181	231.492
403.99	282.002	128.503	7.78E-03	1.96E-04	27172.5	1.8265	0.166123	1.11181	231.49
403.59	281.97	128.279	7.80E-03	1.96E-04	27169.8	1.8268	0.166283	1.11182	231.489
403.19	281.937	128.055	7.81E-03	1.96E-04	27167.1	1.827	0.166443	1.11183	231.487
402.79	281.904	127.831	7.82E-03	1.96E-04	27164.4	1.8272	0.166603	1.11183	231.485

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
401.99	281.839	127.384	7.85E-03	1.96E-04	27158.9	1.8276	0.166922	1.11184	231.482
401.59	281.806	127.162	7.86E-03	1.96E-04	27156.2	1.8278	0.167082	1.11185	231.481
401.19	281.774	126.94	7.88E-03	1.96E-04	27153.5	1.828	0.167242	1.11186	231.479
400.79	281.741	126.718	7.89E-03	1.96E-04	27150.8	1.8282	0.167401	1.11186	231.478
400.39	281.708	126.497	7.91E-03	1.96E-04	27148.1	1.8284	0.16756	1.11187	231.476
399.99	281.675	126.276	7.92E-03	1.96E-04	27145.4	1.8286	0.16772	1.11188	231.475
399.59	281.642	126.055	7.93E-03	1.96E-04	27142.7	1.8288	0.167879	1.11188	231.473
399.19	281.609	125.835	7.95E-03	1.96E-04	27140	1.829	0.168038	1.11189	231.471
398.79	281.576	125.615	7.96E-03	1.96E-04	27137.3	1.8292	0.168197	1.1119	231.47
398.39	281.543	125.396	7.97E-03	1.96E-04	27134.6	1.8294	0.168356	1.1119	231.468
397.99	281.51	125.176	7.99E-03	1.96E-04	27131.9	1.8296	0.168515	1.11191	231.467
397.59	281.477	124.958	8.00E-03	1.96E-04	27129.2	1.8298	0.168674	1.11192	231.465
397.19	281.444	124.739	8.02E-03	1.96E-04	27126.5	1.83	0.168833	1.11192	231.464
396.79	281.411	124.522	8.03E-03	1.96E-04	27123.8	1.8302	0.168992	1.11193	231.462
396.39	281.378	124.304	8.04E-03	1.96E-04	27121.1	1.8304	0.169151	1.11193	231.46
395.99	281.345	124.087	8.06E-03	1.96E-04	27118.4	1.8306	0.169309	1.11194	231.459
395.59	281.312	123.87	8.07E-03	1.96E-04	27115.7	1.8308	0.169468	1.11195	231.457
395.19	281.278	123.654	8.09E-03	1.97E-04	27113	1.831	0.169626	1.11195	231.455
394.79	281.245	123.438	8.10E-03	1.97E-04	27110.4	1.8311	0.169785	1.11196	231.454
394.39	281.212	123.222	8.12E-03	1.97E-04	27107.7	1.8313	0.169943	1.11197	231.452
393.99	281.179	123.007	8.13E-03	1.97E-04	27105	1.8315	0.170101	1.11197	231.451
393.59	281.145	122.792	8.14E-03	1.97E-04	27102.3	1.8317	0.170259	1.11198	231.449
393.19	281.112	122.577	8.16E-03	1.97E-04	27099.6	1.8319	0.170417	1.11199	231.447
392.79	281.079	122.363	8.17E-03	1.97E-04	27096.9	1.8321	0.170575	1.11199	231.446
392.39	281.045	122.149	8.19E-03	1.97E-04	27094.3	1.8323	0.170733	1.112	231.444
391.99	281.012	121.936	8.20E-03	1.97E-04	27091.6	1.8325	0.170891	1.112	231.442
391.59	280.978	121.723	8.22E-03	1.97E-04	27088.9	1.8327	0.171049	1.11201	231.441
391.19	280.945	121.51	8.23E-03	1.97E-04	27086.2	1.8328	0.171207	1.11202	231.439
390.79	280.911	121.298	8.24E-03	1.97E-04	27083.5	1.833	0.171365	1.11202	231.437
390.39	280.878	121.086	8.26E-03	1.97E-04	27080.9	1.8332	0.171522	1.11203	231.435
389.99	280.844	120.874	8.27E-03	1.97E-04	27078.2	1.8334	0.17168	1.11204	231.434
389.59	280.81	120.663	8.29E-03	1.97E-04	27075.5	1.8336	0.171837	1.11204	231.432
389.19	280.777	120.452	8.30E-03	1.97E-04	27072.9	1.8338	0.171995	1.11205	231.43
388.79	280.743	120.242	8.32E-03	1.97E-04	27070.2	1.834	0.172152	1.11205	231.429
388.39	280.709	120.032	8.33E-03	1.97E-04	27067.5	1.8341	0.172309	1.11206	231.427
387.99	280.676	119.822	8.35E-03	1.97E-04	27064.8	1.8343	0.172466	1.11207	231.425
387.59	280.642	119.612	8.36E-03	1.97E-04	27062.2	1.8345	0.172623	1.11207	231.423
387.19	280.608	119.403	8.38E-03	1.97E-04	27059.5	1.8347	0.17278	1.11208	231.422
386.79	280.574	119.195	8.39E-03	1.97E-04	27056.9	1.8349	0.172937	1.11209	231.42
386.39	280.54	118.986	8.40E-03	1.97E-04	27054.2	1.835	0.173094	1.11209	231.418
385.99	280.506	118.778	8.42E-03	1.97E-04	27051.5	1.8352	0.173251	1.1121	231.416
385.59	280.472	118.571	8.43E-03	1.97E-04	27048.9	1.8354	0.173408	1.11211	231.415
385.19	280.438	118.363	8.45E-03	1.97E-04	27046.2	1.8356	0.173564	1.11211	231.413
384.79	280.404	118.156	8.46E-03	1.97E-04	27043.6	1.8357	0.173721	1.11212	231.411
384.39	280.37	117.95	8.48E-03	1.97E-04	27040.9	1.8359	0.173877	1.11212	231.409
383.99	280.336	117.743	8.49E-03	1.97E-04	27038.2	1.8361	0.174034	1.11213	231.407
383.59	280.302	117.538	8.51E-03	1.97E-04	27035.6	1.8363	0.17419	1.11214	231.406
383.19	280.268	117.332	8.52E-03	1.97E-04	27032.9	1.8364	0.174346	1.11214	231.404
382.79	280.234	117.127	8.54E-03	1.97E-04	27030.3	1.8366	0.174503	1.11215	231.402
382.39	280.2	116.922	8.55E-03	1.97E-04	27027.6	1.8368	0.174659	1.11216	231.4
381.99	280.166	116.717	8.57E-03	1.97E-04	27025	1.8369	0.174815	1.11216	231.398
381.59	280.131	116.513	8.58E-03	1.97E-04	27022.3	1.8371	0.174971	1.11217	231.396
381.19	280.097	116.309	8.60E-03	1.97E-04	27019.7	1.8373	0.175127	1.11217	231.395
380.79	280.063	116.106	8.61E-03	1.97E-04	27017	1.8375	0.175282	1.11218	231.393
380.39	280.028	115.903	8.63E-03	1.97E-04	27014.4	1.8376	0.175438	1.11219	231.391
379.99	279.994	115.7	8.64E-03	1.97E-04	27011.7	1.8378	0.175594	1.11219	231.389
379.59	279.96	115.498	8.66E-03	1.97E-04	27009.1	1.838	0.175749	1.1122	231.387
379.19	279.925	115.295	8.67E-03	1.97E-04	27006.4	1.8381	0.175905	1.11221	231.385
378.79	279.891	115.094	8.69E-03	1.97E-04	27003.8	1.8383	0.17606	1.11221	231.383
378.39	279.856	114.892	8.70E-03	1.97E-04	27001.2	1.8385	0.176216	1.11222	231.382
377.99	279.822	114.691	8.72E-03	1.97E-04	26998.5	1.8386	0.176371	1.11222	231.38

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
377.19	279.752	114.29	8.75E-03	1.97E-04	26993.2	1.8389	0.176681	1.11224	231.376
376.79	279.718	114.09	8.77E-03	1.97E-04	26990.6	1.8391	0.176836	1.11224	231.374
376.39	279.683	113.89	8.78E-03	1.97E-04	26988	1.8393	0.176991	1.11225	231.372
375.99	279.648	113.691	8.80E-03	1.97E-04	26985.3	1.8394	0.177146	1.11226	231.37
375.59	279.614	113.492	8.81E-03	1.97E-04	26982.7	1.8396	0.177301	1.11226	231.368
375.19	279.579	113.293	8.83E-03	1.97E-04	26980.1	1.8398	0.177456	1.11227	231.366
374.79	279.544	113.094	8.84E-03	1.98E-04	26977.4	1.8399	0.17761	1.11227	231.364
374.39	279.509	112.896	8.86E-03	1.98E-04	26974.8	1.8401	0.177765	1.11228	231.362
373.99	279.474	112.698	8.87E-03	1.98E-04	26972.2	1.8402	0.177919	1.11229	231.36
373.59	279.439	112.501	8.89E-03	1.98E-04	26969.5	1.8404	0.178074	1.11229	231.358
373.19	279.405	112.304	8.90E-03	1.98E-04	26966.9	1.8405	0.178228	1.1123	231.356
372.79	279.37	112.107	8.92E-03	1.98E-04	26964.3	1.8407	0.178382	1.11231	231.354
372.39	279.335	111.911	8.94E-03	1.98E-04	26961.6	1.8409	0.178536	1.11231	231.352
371.99	279.3	111.714	8.95E-03	1.98E-04	26959	1.841	0.17869	1.11232	231.35
371.59	279.264	111.519	8.97E-03	1.98E-04	26956.4	1.8412	0.178844	1.11232	231.348
371.19	279.229	111.323	8.98E-03	1.98E-04	26953.8	1.8413	0.178998	1.11233	231.346
370.79	279.194	111.128	9.00E-03	1.98E-04	26951.1	1.8415	0.179152	1.11234	231.344
370.39	279.159	110.933	9.01E-03	1.98E-04	26948.5	1.8416	0.179306	1.11234	231.342
369.99	279.124	110.738	9.03E-03	1.98E-04	26945.9	1.8418	0.17946	1.11235	231.34
369.59	279.089	110.544	9.05E-03	1.98E-04	26943.3	1.8419	0.179613	1.11235	231.338
369.19	279.053	110.35	9.06E-03	1.98E-04	26940.7	1.8421	0.179767	1.11236	231.336
368.79	279.018	110.157	9.08E-03	1.98E-04	26938	1.8422	0.17992	1.11237	231.334
368.39	278.983	109.963	9.09E-03	1.98E-04	26935.4	1.8424	0.180074	1.11237	231.332
367.99	278.947	109.77	9.11E-03	1.98E-04	26932.8	1.8425	0.180227	1.11238	231.33
367.59	278.912	109.578	9.13E-03	1.98E-04	26930.2	1.8427	0.18038	1.11238	231.328
367.19	278.877	109.386	9.14E-03	1.98E-04	26927.6	1.8428	0.180533	1.11239	231.326
366.79	278.841	109.193	9.16E-03	1.98E-04	26924.9	1.843	0.180686	1.1124	231.324
366.39	278.806	109.002	9.17E-03	1.98E-04	26922.3	1.8431	0.180839	1.1124	231.321
365.99	278.77	108.81	9.19E-03	1.98E-04	26919.7	1.8433	0.180992	1.11241	231.319
365.59	278.734	108.619	9.21E-03	1.98E-04	26917.1	1.8434	0.181145	1.11241	231.317
365.19	278.699	108.429	9.22E-03	1.98E-04	26914.5	1.8435	0.181297	1.11242	231.315
364.79	278.663	108.238	9.24E-03	1.98E-04	26911.9	1.8437	0.18145	1.11243	231.313
364.39	278.628	108.048	9.26E-03	1.98E-04	26909.3	1.8438	0.181602	1.11243	231.311
363.99	278.592	107.858	9.27E-03	1.98E-04	26906.6	1.844	0.181755	1.11244	231.309
363.59	278.556	107.669	9.29E-03	1.98E-04	26904	1.8441	0.181907	1.11244	231.307
363.19	278.52	107.479	9.30E-03	1.98E-04	26901.4	1.8442	0.182059	1.11245	231.304
362.79	278.484	107.29	9.32E-03	1.98E-04	26898.8	1.8444	0.182212	1.11246	231.302
362.39	278.449	107.102	9.34E-03	1.98E-04	26896.2	1.8445	0.182364	1.11246	231.3
361.99	278.413	106.913	9.35E-03	1.98E-04	26893.6	1.8447	0.182516	1.11247	231.298
361.59	278.377	106.725	9.37E-03	1.98E-04	26891	1.8448	0.182668	1.11247	231.296
361.19	278.341	106.538	9.39E-03	1.98E-04	26888.4	1.8449	0.18282	1.11248	231.293
360.79	278.305	106.35	9.40E-03	1.98E-04	26885.8	1.8451	0.182971	1.11249	231.291
360.39	278.269	106.163	9.42E-03	1.98E-04	26883.2	1.8452	0.183123	1.11249	231.289
359.99	278.233	105.976	9.44E-03	1.98E-04	26880.6	1.8454	0.183275	1.1125	231.287
359.59	278.197	105.79	9.45E-03	1.98E-04	26878	1.8455	0.183426	1.1125	231.284
359.19	278.161	105.604	9.47E-03	1.98E-04	26875.4	1.8456	0.183577	1.11251	231.282
358.79	278.124	105.418	9.49E-03	1.98E-04	26872.8	1.8458	0.183729	1.11251	231.28
358.39	278.088	105.232	9.50E-03	1.98E-04	26870.1	1.8459	0.18388	1.11252	231.278
357.99	278.052	105.047	9.52E-03	1.98E-04	26867.5	1.846	0.184031	1.11253	231.275
357.59	278.016	104.862	9.54E-03	1.98E-04	26864.9	1.8462	0.184182	1.11253	231.273
357.19	277.979	104.677	9.55E-03	1.98E-04	26862.3	1.8463	0.184333	1.11254	231.271
356.79	277.943	104.493	9.57E-03	1.98E-04	26859.7	1.8464	0.184484	1.11254	231.269
356.39	277.907	104.309	9.59E-03	1.98E-04	26857.1	1.8465	0.184635	1.11255	231.266
355.99	277.87	104.125	9.60E-03	1.98E-04	26854.5	1.8467	0.184786	1.11256	231.264
355.59	277.834	103.941	9.62E-03	1.98E-04	26851.9	1.8468	0.184936	1.11256	231.262
355.19	277.797	103.758	9.64E-03	1.98E-04	26849.3	1.8469	0.185087	1.11257	231.259
354.79	277.761	103.575	9.65E-03	1.98E-04	26846.7	1.8471	0.185237	1.11257	231.257
354.39	277.724	103.392	9.67E-03	1.98E-04	26844.2	1.8472	0.185388	1.11258	231.255
353.99	277.688	103.21	9.69E-03	1.99E-04	26841.6	1.8473	0.185538	1.11258	231.252
353.59	277.651	103.028	9.71E-03	1.99E-04	26839	1.8474	0.185688	1.11259	231.25
353.19	277.614	102.846	9.72E-03	1.99E-04	26836.4	1.8476	0.185838	1.1126	231.247

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
352.39	277.541	102.483	9.76E-03	1.99E-04	26831.2	1.8478	0.186138	1.11261	231.243
351.99	277.504	102.303	9.77E-03	1.99E-04	26828.6	1.8479	0.186288	1.11261	231.24
351.59	277.467	102.122	9.79E-03	1.99E-04	26826	1.8481	0.186438	1.11262	231.238
351.19	277.43	101.942	9.81E-03	1.99E-04	26823.4	1.8482	0.186587	1.11262	231.235
350.79	277.393	101.761	9.83E-03	1.99E-04	26820.8	1.8483	0.186737	1.11263	231.233
350.39	277.357	101.582	9.84E-03	1.99E-04	26818.2	1.8484	0.186886	1.11263	231.231
349.99	277.32	101.402	9.86E-03	1.99E-04	26815.6	1.8485	0.187036	1.11264	231.228
349.59	277.283	101.223	9.88E-03	1.99E-04	26813	1.8487	0.187185	1.11265	231.226
349.19	277.246	101.044	9.90E-03	1.99E-04	26810.4	1.8488	0.187334	1.11265	231.223
348.79	277.208	100.865	9.91E-03	1.99E-04	26807.8	1.8489	0.187483	1.11266	231.221
348.39	277.171	100.687	9.93E-03	1.99E-04	26805.2	1.849	0.187632	1.11266	231.218
347.99	277.134	100.509	9.95E-03	1.99E-04	26802.6	1.8491	0.187781	1.11267	231.216
347.59	277.097	100.331	0.01	1.99E-04	26800.1	1.8493	0.18793	1.11267	231.213
347.19	277.06	100.153	0.01	1.99E-04	26797.5	1.8494	0.188079	1.11268	231.211
346.79	277.022	99.9762	0.01	1.99E-04	26794.9	1.8495	0.188227	1.11268	231.208
346.39	276.985	99.7992	0.01	1.99E-04	26792.3	1.8496	0.188376	1.11269	231.206
345.99	276.948	99.6224	0.01	1.99E-04	26789.7	1.8497	0.188524	1.11269	231.203
345.59	276.91	99.446	0.0101	1.99E-04	26787.1	1.8498	0.188672	1.1127	231.2
345.19	276.873	99.2698	0.0101	1.99E-04	26784.5	1.8499	0.188821	1.11271	231.198
344.79	276.836	99.0939	0.0101	1.99E-04	26781.9	1.8501	0.188969	1.11271	231.195
344.39	276.798	98.9183	0.0101	1.99E-04	26779.3	1.8502	0.189117	1.11272	231.193
343.99	276.761	98.743	0.0101	1.99E-04	26776.7	1.8503	0.189265	1.11272	231.19
343.59	276.723	98.5679	0.0101	1.99E-04	26774.2	1.8504	0.189413	1.11273	231.188
343.19	276.685	98.3931	0.0102	1.99E-04	26771.6	1.8505	0.189561	1.11273	231.185
342.79	276.648	98.2186	0.0102	1.99E-04	26769	1.8506	0.189708	1.11274	231.182
342.39	276.61	98.0443	0.0102	1.99E-04	26766.4	1.8507	0.189856	1.11274	231.18
341.99	276.572	97.8703	0.0102	1.99E-04	26763.8	1.8508	0.190003	1.11275	231.177
341.59	276.534	97.6966	0.0102	1.99E-04	26761.2	1.8509	0.190151	1.11275	231.174
341.19	276.497	97.5232	0.0103	1.99E-04	26758.6	1.851	0.190298	1.11276	231.172
340.79	276.459	97.35	0.0103	1.99E-04	26756	1.8511	0.190445	1.11276	231.169
340.39	276.421	97.1771	0.0103	1.99E-04	26753.5	1.8513	0.190592	1.11277	231.166
339.99	276.383	97.0044	0.0103	1.99E-04	26750.9	1.8514	0.190739	1.11277	231.164
339.59	276.345	96.8321	0.0103	1.99E-04	26748.3	1.8515	0.190886	1.11278	231.161
339.19	276.307	96.6599	0.0103	1.99E-04	26745.7	1.8516	0.191033	1.11278	231.158
338.79	276.269	96.4881	0.0104	1.99E-04	26743.1	1.8517	0.19118	1.11279	231.156
338.39	276.231	96.3165	0.0104	1.99E-04	26740.5	1.8518	0.191326	1.11279	231.153
337.99	276.193	96.1452	0.0104	1.99E-04	26737.9	1.8519	0.191473	1.1128	231.15
337.59	276.155	95.9741	0.0104	1.99E-04	26735.4	1.852	0.191619	1.1128	231.147
337.19	276.116	95.8033	0.0104	1.99E-04	26732.8	1.8521	0.191765	1.11281	231.145
336.79	276.078	95.6328	0.0105	1.99E-04	26730.2	1.8522	0.191912	1.11281	231.142
336.39	276.04	95.4625	0.0105	1.99E-04	26727.6	1.8523	0.192058	1.11282	231.139
335.99	276.002	95.2925	0.0105	1.99E-04	26725	1.8524	0.192204	1.11282	231.136
335.59	275.963	95.1228	0.0105	1.99E-04	26722.4	1.8525	0.19235	1.11283	231.133
335.19	275.925	94.9533	0.0105	1.99E-04	26719.8	1.8526	0.192495	1.11283	231.131
334.79	275.886	94.7841	0.0106	1.99E-04	26717.2	1.8527	0.192641	1.11284	231.128
334.39	275.848	94.6151	0.0106	1.99E-04	26714.7	1.8528	0.192787	1.11284	231.125
333.99	275.809	94.4464	0.0106	1.99E-04	26712.1	1.8529	0.192932	1.11285	231.122
333.59	275.771	94.2779	0.0106	1.99E-04	26709.5	1.853	0.193078	1.11285	231.119
333.19	275.732	94.1097	0.0106	2.00E-04	26706.9	1.8531	0.193223	1.11286	231.116
332.79	275.693	93.9418	0.0106	2.00E-04	26704.3	1.8532	0.193368	1.11286	231.113
332.39	275.655	93.7741	0.0107	2.00E-04	26701.7	1.8532	0.193513	1.11287	231.11
331.99	275.616	93.6067	0.0107	2.00E-04	26699.1	1.8533	0.193658	1.11287	231.108
331.59	275.577	93.4395	0.0107	2.00E-04	26696.6	1.8534	0.193803	1.11288	231.105
331.19	275.538	93.2725	0.0107	2.00E-04	26694	1.8535	0.193948	1.11288	231.102
330.79	275.5	93.1059	0.0107	2.00E-04	26691.4	1.8536	0.194093	1.11289	231.099
330.39	275.461	92.9395	0.0108	2.00E-04	26688.8	1.8537	0.194237	1.11289	231.096
329.99	275.422	92.7733	0.0108	2.00E-04	26686.2	1.8538	0.194382	1.1129	231.093
329.59	275.383	92.6074	0.0108	2.00E-04	26683.6	1.8539	0.194526	1.1129	231.09
329.19	275.344	92.4417	0.0108	2.00E-04	26681	1.854	0.19467	1.11291	231.087
328.79	275.305	92.2763	0.0108	2.00E-04	26678.4	1.8541	0.194814	1.11291	231.084
328.39	275.266	92.1111	0.0109	2.00E-04	26675.8	1.8542	0.194958	1.11291	231.081

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
327.59	275.187	91.7816	0.0109	2.00E-04	26670.7	1.8543	0.195246	1.11292	231.075
327.19	275.148	91.6171	0.0109	2.00E-04	26668.1	1.8544	0.19539	1.11293	231.072
326.79	275.109	91.453	0.0109	2.00E-04	26665.5	1.8545	0.195534	1.11293	231.069
326.39	275.069	91.289	0.011	2.00E-04	26662.9	1.8546	0.195677	1.11294	231.066
325.99	275.03	91.1254	0.011	2.00E-04	26660.3	1.8547	0.19582	1.11294	231.063
325.59	274.991	90.9619	0.011	2.00E-04	26657.7	1.8548	0.195964	1.11295	231.06
325.19	274.951	90.7987	0.011	2.00E-04	26655.1	1.8548	0.196107	1.11295	231.056
324.79	274.912	90.6358	0.011	2.00E-04	26652.5	1.8549	0.19625	1.11295	231.053
324.39	274.872	90.4731	0.0111	2.00E-04	26649.9	1.855	0.196393	1.11296	231.05
323.99	274.833	90.3107	0.0111	2.00E-04	26647.4	1.8551	0.196536	1.11296	231.047
323.59	274.793	90.1485	0.0111	2.00E-04	26644.8	1.8552	0.196679	1.11297	231.044
323.19	274.753	89.9865	0.0111	2.00E-04	26642.2	1.8553	0.196821	1.11297	231.041
322.79	274.714	89.8248	0.0111	2.00E-04	26639.6	1.8553	0.196964	1.11298	231.038
322.39	274.674	89.6633	0.0112	2.00E-04	26637	1.8554	0.197106	1.11298	231.034
321.99	274.634	89.502	0.0112	2.00E-04	26634.4	1.8555	0.197248	1.11298	231.031
321.59	274.594	89.341	0.0112	2.00E-04	26631.8	1.8556	0.197391	1.11299	231.028
321.19	274.554	89.1803	0.0112	2.00E-04	26629.2	1.8557	0.197533	1.11299	231.025
320.79	274.514	89.0198	0.0112	2.00E-04	26626.6	1.8557	0.197675	1.113	231.021
320.39	274.474	88.8595	0.0113	2.00E-04	26624	1.8558	0.197816	1.113	231.018
319.99	274.434	88.6994	0.0113	2.00E-04	26621.4	1.8559	0.197958	1.11301	231.015
319.59	274.394	88.5396	0.0113	2.00E-04	26618.8	1.856	0.1981	1.11301	231.012
319.19	274.354	88.3801	0.0113	2.00E-04	26616.2	1.856	0.198241	1.11301	231.008
318.79	274.314	88.2207	0.0113	2.00E-04	26613.6	1.8561	0.198383	1.11302	231.005
318.39	274.274	88.0616	0.0114	2.00E-04	26611	1.8562	0.198524	1.11302	231.002
317.99	274.234	87.9028	0.0114	2.00E-04	26608.4	1.8563	0.198665	1.11302	230.998
317.59	274.193	87.7441	0.0114	2.00E-04	26605.8	1.8563	0.198806	1.11303	230.995
317.19	274.153	87.5858	0.0114	2.00E-04	26603.2	1.8564	0.198947	1.11303	230.992
316.79	274.113	87.4276	0.0114	2.00E-04	26600.6	1.8565	0.199088	1.11304	230.988
316.39	274.072	87.2697	0.0115	2.00E-04	26598	1.8565	0.199229	1.11304	230.985
315.99	274.032	87.112	0.0115	2.00E-04	26595.4	1.8566	0.199369	1.11304	230.982
315.59	273.991	86.9545	0.0115	2.00E-04	26592.8	1.8567	0.19951	1.11305	230.978
315.19	273.951	86.7973	0.0115	2.00E-04	26590.2	1.8568	0.19965	1.11305	230.975
314.79	273.91	86.6403	0.0115	2.00E-04	26587.6	1.8568	0.19979	1.11306	230.971
314.39	273.87	86.4836	0.0116	2.00E-04	26585	1.8569	0.19993	1.11306	230.968
313.99	273.829	86.327	0.0116	2.00E-04	26582.4	1.857	0.20007	1.11306	230.964
313.59	273.788	86.1707	0.0116	2.00E-04	26579.8	1.857	0.20021	1.11307	230.961
313.19	273.747	86.0147	0.0116	2.00E-04	26577.2	1.8571	0.20035	1.11307	230.957
312.79	273.707	85.8588	0.0116	2.00E-04	26574.6	1.8572	0.20049	1.11307	230.954
312.39	273.666	85.7032	0.0117	2.01E-04	26572	1.8572	0.200629	1.11308	230.95
311.99	273.625	85.5478	0.0117	2.01E-04	26569.4	1.8573	0.200769	1.11308	230.947
311.59	273.584	85.3927	0.0117	2.01E-04	26566.7	1.8574	0.200908	1.11308	230.943
311.19	273.543	85.2378	0.0117	2.01E-04	26564.1	1.8574	0.201047	1.11309	230.94
310.79	273.502	85.0831	0.0118	2.01E-04	26561.5	1.8575	0.201186	1.11309	230.936
310.39	273.461	84.9286	0.0118	2.01E-04	26558.9	1.8575	0.201325	1.11309	230.933
309.99	273.42	84.7743	0.0118	2.01E-04	26556.3	1.8576	0.201464	1.1131	230.929
309.59	273.378	84.6203	0.0118	2.01E-04	26553.7	1.8577	0.201602	1.1131	230.925
309.19	273.337	84.4665	0.0118	2.01E-04	26551.1	1.8577	0.201741	1.1131	230.922
308.79	273.296	84.3129	0.0119	2.01E-04	26548.5	1.8578	0.201879	1.11311	230.918
308.39	273.254	84.1596	0.0119	2.01E-04	26545.8	1.8579	0.202018	1.11311	230.914
307.99	273.213	84.0065	0.0119	2.01E-04	26543.2	1.8579	0.202156	1.11311	230.911
307.59	273.172	83.8536	0.0119	2.01E-04	26540.6	1.858	0.202294	1.11312	230.907
307.19	273.13	83.7009	0.0119	2.01E-04	26538	1.858	0.202432	1.11312	230.903
306.79	273.089	83.5484	0.012	2.01E-04	26535.4	1.8581	0.20257	1.11312	230.9
306.39	273.047	83.3962	0.012	2.01E-04	26532.7	1.8581	0.202707	1.11312	230.896
305.99	273.005	83.2442	0.012	2.01E-04	26530.1	1.8582	0.202845	1.11313	230.892
305.59	272.964	83.0924	0.012	2.01E-04	26527.5	1.8583	0.202982	1.11313	230.888
305.19	272.922	82.9408	0.0121	2.01E-04	26524.9	1.8583	0.20312	1.11313	230.885
304.79	272.88	82.7894	0.0121	2.01E-04	26522.2	1.8584	0.203257	1.11314	230.881
304.39	272.838	82.6383	0.0121	2.01E-04	26519.6	1.8584	0.203394	1.11314	230.877
303.99	272.797	82.4874	0.0121	2.01E-04	26517	1.8585	0.203531	1.11314	230.873
303.59	272.755	82.3367	0.0121	2.01E-04	26514.4	1.8585	0.203667	1.11314	230.869

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
302.79	272.671	82.0359	0.0122	2.01E-04	26509.1	1.8586	0.203941	1.11315	230.862
302.39	272.629	81.8859	0.0122	2.01E-04	26506.5	1.8587	0.204077	1.11315	230.858
301.99	272.587	81.7361	0.0122	2.01E-04	26503.8	1.8587	0.204213	1.11315	230.854
301.59	272.544	81.5864	0.0123	2.01E-04	26501.2	1.8588	0.204349	1.11316	230.85
301.19	272.502	81.437	0.0123	2.01E-04	26498.6	1.8588	0.204485	1.11316	230.846
300.79	272.46	81.2879	0.0123	2.01E-04	26495.9	1.8589	0.204621	1.11316	230.842
300.39	272.418	81.1389	0.0123	2.01E-04	26493.3	1.8589	0.204757	1.11316	230.838
299.99	272.375	80.9901	0.0123	2.01E-04	26490.6	1.859	0.204892	1.11317	230.834
299.59	272.333	80.8416	0.0124	2.01E-04	26488	1.859	0.205028	1.11317	230.83
299.19	272.29	80.6933	0.0124	2.01E-04	26485.4	1.8591	0.205163	1.11317	230.826
298.79	272.248	80.5452	0.0124	2.01E-04	26482.7	1.8591	0.205298	1.11317	230.822
298.39	272.205	80.3973	0.0124	2.01E-04	26480.1	1.8592	0.205433	1.11318	230.818
297.99	272.163	80.2496	0.0125	2.01E-04	26477.4	1.8592	0.205568	1.11318	230.814
297.59	272.12	80.1021	0.0125	2.01E-04	26474.8	1.8593	0.205703	1.11318	230.81
297.19	272.077	79.9548	0.0125	2.01E-04	26472.1	1.8593	0.205838	1.11318	230.806
296.79	272.035	79.8078	0.0125	2.01E-04	26469.5	1.8594	0.205972	1.11318	230.801
296.39	271.992	79.6609	0.0126	2.01E-04	26466.8	1.8594	0.206107	1.11319	230.797
295.99	271.949	79.5143	0.0126	2.01E-04	26464.2	1.8594	0.206241	1.11319	230.793
295.59	271.906	79.3679	0.0126	2.01E-04	26461.5	1.8595	0.206375	1.11319	230.789
295.19	271.863	79.2216	0.0126	2.01E-04	26458.8	1.8595	0.206509	1.11319	230.785
294.79	271.82	79.0756	0.0126	2.01E-04	26456.2	1.8596	0.206643	1.11319	230.781
294.39	271.777	78.9298	0.0127	2.01E-04	26453.5	1.8596	0.206776	1.1132	230.776
293.99	271.734	78.7842	0.0127	2.01E-04	26450.9	1.8596	0.20691	1.1132	230.772
293.59	271.691	78.6389	0.0127	2.01E-04	26448.2	1.8597	0.207043	1.1132	230.768
293.19	271.647	78.4937	0.0127	2.01E-04	26445.5	1.8597	0.207176	1.1132	230.764
292.79	271.604	78.3487	0.0128	2.01E-04	26442.9	1.8598	0.20731	1.1132	230.759
292.39	271.561	78.2039	0.0128	2.02E-04	26440.2	1.8598	0.207443	1.1132	230.755
291.99	271.517	78.0594	0.0128	2.02E-04	26437.5	1.8598	0.207575	1.11321	230.751
291.59	271.474	77.915	0.0128	2.02E-04	26434.9	1.8599	0.207708	1.11321	230.746
291.19	271.431	77.7709	0.0129	2.02E-04	26432.2	1.8599	0.207841	1.11321	230.742
290.79	271.387	77.6269	0.0129	2.02E-04	26429.5	1.8599	0.207973	1.11321	230.738
290.39	271.343	77.4832	0.0129	2.02E-04	26426.8	1.86	0.208105	1.11321	230.733
289.99	271.3	77.3397	0.0129	2.02E-04	26424.2	1.86	0.208237	1.11321	230.729
289.59	271.256	77.1963	0.013	2.02E-04	26421.5	1.8601	0.208369	1.11321	230.724
289.19	271.212	77.0532	0.013	2.02E-04	26418.8	1.8601	0.208501	1.11321	230.72
288.79	271.168	76.9103	0.013	2.02E-04	26416.1	1.8601	0.208633	1.11322	230.715
288.39	271.125	76.7675	0.013	2.02E-04	26413.4	1.8602	0.208764	1.11322	230.711
287.99	271.081	76.625	0.0131	2.02E-04	26410.7	1.8602	0.208895	1.11322	230.706
287.59	271.037	76.4827	0.0131	2.02E-04	26408.1	1.8602	0.209027	1.11322	230.702
287.19	270.993	76.3406	0.0131	2.02E-04	26405.4	1.8602	0.209158	1.11322	230.697
286.79	270.949	76.1986	0.0131	2.02E-04	26402.7	1.8603	0.209289	1.11322	230.693
286.39	270.905	76.0569	0.0131	2.02E-04	26400	1.8603	0.209419	1.11322	230.688
285.99	270.86	75.9154	0.0132	2.02E-04	26397.3	1.8603	0.20955	1.11322	230.684
285.59	270.816	75.7741	0.0132	2.02E-04	26394.6	1.8604	0.20968	1.11322	230.679
285.19	270.772	75.6329	0.0132	2.02E-04	26391.9	1.8604	0.209811	1.11322	230.674
284.79	270.727	75.492	0.0132	2.02E-04	26389.2	1.8604	0.209941	1.11322	230.67
284.39	270.683	75.3513	0.0133	2.02E-04	26386.5	1.8605	0.210071	1.11322	230.665
283.99	270.639	75.2107	0.0133	2.02E-04	26383.8	1.8605	0.210201	1.11323	230.66
283.59	270.594	75.0704	0.0133	2.02E-04	26381.1	1.8605	0.21033	1.11323	230.656
283.19	270.55	74.9303	0.0133	2.02E-04	26378.4	1.8605	0.21046	1.11323	230.651
282.79	270.505	74.7903	0.0134	2.02E-04	26375.6	1.8606	0.210589	1.11323	230.646
282.39	270.46	74.6506	0.0134	2.02E-04	26372.9	1.8606	0.210718	1.11323	230.641
281.99	270.415	74.511	0.0134	2.02E-04	26370.2	1.8606	0.210847	1.11323	230.636
281.59	270.371	74.3717	0.0134	2.02E-04	26367.5	1.8606	0.210976	1.11323	230.632
281.19	270.326	74.2325	0.0135	2.02E-04	26364.8	1.8606	0.211105	1.11323	230.627
280.79	270.281	74.0936	0.0135	2.02E-04	26362	1.8607	0.211234	1.11323	230.622
280.39	270.236	73.9548	0.0135	2.02E-04	26359.3	1.8607	0.211362	1.11323	230.617
279.99	270.191	73.8162	0.0135	2.02E-04	26356.6	1.8607	0.21149	1.11323	230.612
279.59	270.146	73.6778	0.0136	2.02E-04	26353.9	1.8607	0.211618	1.11323	230.607
279.19	270.101	73.5396	0.0136	2.02E-04	26351.1	1.8608	0.211746	1.11323	230.602
278.79	270.056	73.4016	0.0136	2.02E-04	26348.4	1.8608	0.211874	1.11323	230.597

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
277.99	269.965	73.1262	0.0137	2.02E-04	26342.9	1.8608	0.212129	1.11323	230.587
277.59	269.92	72.9888	0.0137	2.02E-04	26340.2	1.8608	0.212256	1.11323	230.582
277.19	269.874	72.8516	0.0137	2.02E-04	26337.4	1.8608	0.212383	1.11323	230.577
276.79	269.829	72.7145	0.0138	2.02E-04	26334.7	1.8609	0.21251	1.11323	230.572
276.39	269.783	72.5777	0.0138	2.02E-04	26331.9	1.8609	0.212637	1.11322	230.567
275.99	269.738	72.441	0.0138	2.02E-04	26329.2	1.8609	0.212764	1.11322	230.562
275.59	269.692	72.3046	0.0138	2.02E-04	26326.4	1.8609	0.21289	1.11322	230.557
275.19	269.646	72.1683	0.0139	2.02E-04	26323.7	1.8609	0.213017	1.11322	230.552
274.79	269.6	72.0322	0.0139	2.02E-04	26320.9	1.8609	0.213143	1.11322	230.546
274.39	269.555	71.8963	0.0139	2.02E-04	26318.1	1.861	0.213269	1.11322	230.541
273.99	269.509	71.7606	0.0139	2.02E-04	26315.4	1.861	0.213394	1.11322	230.536
273.59	269.463	71.625	0.014	2.02E-04	26312.6	1.861	0.21352	1.11322	230.531
273.19	269.417	71.4897	0.014	2.03E-04	26309.8	1.861	0.213645	1.11322	230.525
272.79	269.371	71.3545	0.014	2.03E-04	26307.1	1.861	0.213771	1.11322	230.52
272.39	269.325	71.2196	0.014	2.03E-04	26304.3	1.861	0.213896	1.11322	230.515
271.99	269.278	71.0848	0.0141	2.03E-04	26301.5	1.861	0.214021	1.11321	230.51
271.59	269.232	70.9502	0.0141	2.03E-04	26298.7	1.861	0.214145	1.11321	230.504
271.19	269.186	70.8158	0.0141	2.03E-04	26295.9	1.861	0.21427	1.11321	230.499
270.79	269.14	70.6816	0.0141	2.03E-04	26293.2	1.8611	0.214394	1.11321	230.493
270.39	269.093	70.5476	0.0142	2.03E-04	26290.4	1.8611	0.214518	1.11321	230.488
269.99	269.047	70.4137	0.0142	2.03E-04	26287.6	1.8611	0.214642	1.11321	230.482
269.59	269	70.28	0.0142	2.03E-04	26284.8	1.8611	0.214766	1.11321	230.477
269.19	268.953	70.1466	0.0143	2.03E-04	26282	1.8611	0.21489	1.1132	230.471
268.79	268.907	70.0133	0.0143	2.03E-04	26279.2	1.8611	0.215013	1.1132	230.466
268.39	268.86	69.8801	0.0143	2.03E-04	26276.4	1.8611	0.215137	1.1132	230.46
267.99	268.813	69.7472	0.0143	2.03E-04	26273.6	1.8611	0.21526	1.1132	230.455
267.59	268.766	69.6145	0.0144	2.03E-04	26270.8	1.8611	0.215383	1.1132	230.449
267.19	268.72	69.4819	0.0144	2.03E-04	26267.9	1.8611	0.215505	1.11319	230.444
266.79	268.673	69.3495	0.0144	2.03E-04	26265.1	1.8611	0.215628	1.11319	230.438
266.39	268.625	69.2173	0.0144	2.03E-04	26262.3	1.8611	0.21575	1.11319	230.432
265.99	268.578	69.0853	0.0145	2.03E-04	26259.5	1.8611	0.215873	1.11319	230.427
265.59	268.531	68.9534	0.0145	2.03E-04	26256.7	1.8611	0.215995	1.11319	230.421
265.19	268.484	68.8218	0.0145	2.03E-04	26253.8	1.8611	0.216116	1.11318	230.415
264.79	268.437	68.6903	0.0146	2.03E-04	26251	1.8611	0.216238	1.11318	230.409
264.39	268.389	68.559	0.0146	2.03E-04	26248.2	1.8611	0.21636	1.11318	230.403
263.99	268.342	68.4279	0.0146	2.03E-04	26245.3	1.8611	0.216481	1.11318	230.398
263.59	268.294	68.2969	0.0146	2.03E-04	26242.5	1.8611	0.216602	1.11317	230.392
263.19	268.247	68.1662	0.0147	2.03E-04	26239.6	1.8611	0.216723	1.11317	230.386
262.79	268.199	68.0356	0.0147	2.03E-04	26236.8	1.8611	0.216843	1.11317	230.38
262.39	268.152	67.9052	0.0147	2.03E-04	26233.9	1.8611	0.216964	1.11316	230.374
261.99	268.104	67.775	0.0148	2.03E-04	26231.1	1.8611	0.217084	1.11316	230.368
261.59	268.056	67.6449	0.0148	2.03E-04	26228.2	1.8611	0.217204	1.11316	230.362
261.19	268.008	67.5151	0.0148	2.03E-04	26225.4	1.8611	0.217324	1.11315	230.356
260.79	267.96	67.3854	0.0148	2.03E-04	26222.5	1.8612	0.217444	1.11315	230.35
260.39	267.912	67.2558	0.0149	2.03E-04	26219.6	1.8612	0.217564	1.11315	230.344
259.99	267.864	67.1265	0.0149	2.03E-04	26216.8	1.8612	0.217683	1.11314	230.338
259.59	267.816	66.9973	0.0149	2.03E-04	26213.9	1.8612	0.217802	1.11314	230.332
259.19	267.768	66.8683	0.015	2.03E-04	26211	1.8612	0.217921	1.11314	230.326
258.79	267.72	66.7395	0.015	2.03E-04	26208.1	1.8612	0.21804	1.11313	230.32
258.39	267.671	66.6109	0.015	2.03E-04	26205.2	1.8612	0.218158	1.11313	230.313
257.99	267.623	66.4824	0.015	2.03E-04	26202.3	1.8612	0.218276	1.11313	230.307
257.59	267.574	66.3541	0.0151	2.03E-04	26199.4	1.8612	0.218395	1.11312	230.301
257.19	267.526	66.226	0.0151	2.03E-04	26196.5	1.8612	0.218513	1.11312	230.295
256.79	267.477	66.0981	0.0151	2.03E-04	26193.6	1.8612	0.21863	1.11311	230.288
256.39	267.429	65.9703	0.0152	2.03E-04	26190.7	1.8612	0.218748	1.11311	230.282
255.99	267.38	65.8427	0.0152	2.03E-04	26187.8	1.8612	0.218865	1.11311	230.276
255.59	267.331	65.7153	0.0152	2.03E-04	26184.9	1.8613	0.218982	1.1131	230.269
255.19	267.282	65.5881	0.0152	2.04E-04	26182	1.8613	0.219099	1.1131	230.263
254.79	267.233	65.461	0.0153	2.04E-04	26179.1	1.8613	0.219216	1.11309	230.256
254.39	267.184	65.3341	0.0153	2.04E-04	26176.1	1.8613	0.219332	1.11309	230.25
253.99	267.135	65.2074	0.0153	2.04E-04	26173.2	1.8613	0.219448	1.11308	230.243

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
253.19	267.037	64.9544	0.0154	2.04E-04	26167.3	1.8613	0.21968	1.11307	230.23
252.79	266.988	64.8282	0.0154	2.04E-04	26164.4	1.8613	0.219796	1.11307	230.224
252.39	266.938	64.7022	0.0155	2.04E-04	26161.4	1.8614	0.219911	1.11306	230.217
251.99	266.889	64.5763	0.0155	2.04E-04	26158.5	1.8614	0.220027	1.11306	230.21
251.59	266.84	64.4506	0.0155	2.04E-04	26155.5	1.8614	0.220141	1.11305	230.204
251.19	266.79	64.325	0.0155	2.04E-04	26152.6	1.8614	0.220256	1.11305	230.197
250.79	266.74	64.1997	0.0156	2.04E-04	26149.6	1.8614	0.220371	1.11304	230.19
250.39	266.691	64.0745	0.0156	2.04E-04	26146.7	1.8614	0.220485	1.11304	230.183
249.99	266.641	63.9494	0.0156	2.04E-04	26143.7	1.8615	0.220599	1.11303	230.177
249.59	266.591	63.8246	0.0157	2.04E-04	26140.7	1.8615	0.220713	1.11303	230.17
249.19	266.541	63.6999	0.0157	2.04E-04	26137.7	1.8615	0.220827	1.11302	230.163
248.79	266.491	63.5754	0.0157	2.04E-04	26134.7	1.8615	0.22094	1.11302	230.156
248.39	266.441	63.451	0.0158	2.04E-04	26131.7	1.8615	0.221053	1.11301	230.149
247.99	266.391	63.3268	0.0158	2.04E-04	26128.7	1.8616	0.221166	1.113	230.142
247.59	266.341	63.2028	0.0158	2.04E-04	26125.7	1.8616	0.221279	1.113	230.135
247.19	266.291	63.079	0.0159	2.04E-04	26122.7	1.8616	0.221392	1.11299	230.128
246.79	266.24	62.9553	0.0159	2.04E-04	26119.7	1.8616	0.221504	1.11298	230.121
246.39	266.19	62.8317	0.0159	2.04E-04	26116.7	1.8616	0.221616	1.11298	230.114
245.99	266.14	62.7084	0.0159	2.04E-04	26113.7	1.8617	0.221728	1.11297	230.107
245.59	266.089	62.5852	0.016	2.04E-04	26110.7	1.8617	0.221839	1.11296	230.1
245.19	266.038	62.4622	0.016	2.04E-04	26107.7	1.8617	0.221951	1.11296	230.093
244.79	265.988	62.3393	0.016	2.04E-04	26104.6	1.8617	0.222062	1.11295	230.085
244.39	265.937	62.2166	0.0161	2.04E-04	26101.6	1.8618	0.222173	1.11294	230.078
243.99	265.886	62.0941	0.0161	2.04E-04	26098.5	1.8618	0.222283	1.11294	230.071
243.59	265.835	61.9717	0.0161	2.04E-04	26095.5	1.8618	0.222394	1.11293	230.063
243.19	265.784	61.8495	0.0162	2.04E-04	26092.4	1.8619	0.222504	1.11292	230.056
242.79	265.733	61.7275	0.0162	2.04E-04	26089.4	1.8619	0.222614	1.11292	230.049
242.39	265.682	61.6056	0.0162	2.04E-04	26086.3	1.8619	0.222724	1.11291	230.041
241.99	265.631	61.4839	0.0163	2.04E-04	26083.3	1.8619	0.222833	1.1129	230.034
241.59	265.58	61.3624	0.0163	2.04E-04	26080.2	1.862	0.222942	1.11289	230.026
241.19	265.528	61.241	0.0163	2.04E-04	26077.1	1.862	0.223051	1.11288	230.019
240.79	265.477	61.1198	0.0164	2.04E-04	26074	1.862	0.22316	1.11288	230.011
240.39	265.425	60.9987	0.0164	2.04E-04	26070.9	1.8621	0.223269	1.11287	230.004
239.99	265.374	60.8778	0.0164	2.04E-04	26067.8	1.8621	0.223377	1.11286	229.996
239.59	265.322	60.7571	0.0165	2.04E-04	26064.7	1.8621	0.223485	1.11285	229.988
239.19	265.27	60.6365	0.0165	2.04E-04	26061.6	1.8622	0.223593	1.11284	229.981
238.79	265.218	60.5161	0.0165	2.04E-04	26058.5	1.8622	0.2237	1.11284	229.973
238.39	265.167	60.3958	0.0166	2.04E-04	26055.4	1.8622	0.223807	1.11283	229.965
237.99	265.115	60.2757	0.0166	2.05E-04	26052.3	1.8623	0.223914	1.11282	229.957
237.59	265.063	60.1558	0.0166	2.05E-04	26049.2	1.8623	0.224021	1.11281	229.95
236.79	264.958	59.9164	0.0167	2.05E-04	26042.9	1.8624	0.224234	1.11279	229.934
236.39	264.906	59.797	0.0167	2.05E-04	26039.8	1.8624	0.22434	1.11278	229.926
235.99	264.854	59.6777	0.0168	2.05E-04	26036.6	1.8624	0.224445	1.11277	229.918
235.59	264.801	59.5585	0.0168	2.05E-04	26033.5	1.8625	0.224551	1.11276	229.91
235.19	264.749	59.4396	0.0168	2.05E-04	26030.3	1.8625	0.224656	1.11275	229.902
234.79	264.696	59.3207	0.0169	2.05E-04	26027.1	1.8625	0.224761	1.11274	229.894
234.39	264.643	59.2021	0.0169	2.05E-04	26024	1.8626	0.224865	1.11274	229.885
233.99	264.591	59.0836	0.0169	2.05E-04	26020.8	1.8626	0.22497	1.11273	229.877
233.59	264.538	58.9653	0.017	2.05E-04	26017.6	1.8627	0.225074	1.11272	229.869
233.19	264.485	58.8471	0.017	2.05E-04	26014.4	1.8627	0.225178	1.11271	229.861
232.79	264.432	58.729	0.017	2.05E-04	26011.2	1.8627	0.225281	1.11269	229.852
232.39	264.379	58.6112	0.0171	2.05E-04	26008	1.8628	0.225385	1.11268	229.844
231.99	264.326	58.4935	0.0171	2.05E-04	26004.8	1.8628	0.225488	1.11267	229.836
231.59	264.273	58.3759	0.0171	2.05E-04	26001.6	1.8629	0.22559	1.11266	229.827
231.19	264.219	58.2585	0.0172	2.05E-04	25998.4	1.8629	0.225693	1.11265	229.819
230.79	264.166	58.1413	0.0172	2.05E-04	25995.1	1.863	0.225795	1.11264	229.81
230.39	264.112	58.0242	0.0172	2.05E-04	25991.9	1.863	0.225897	1.11263	229.802
229.99	264.059	57.9072	0.0173	2.05E-04	25988.7	1.863	0.225999	1.11262	229.793
229.59	264.005	57.7905	0.0173	2.05E-04	25985.4	1.8631	0.2261	1.11261	229.785
229.19	263.952	57.6738	0.0173	2.05E-04	25982.2	1.8631	0.226201	1.1126	229.776
228.79	263.898	57.5574	0.0174	2.05E-04	25978.9	1.8632	0.226302	1.11259	229.767

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entopy	Enthalpy
227.99	263.79	57.3249	0.0174	2.05E-04	25972.4	1.8633	0.226503	1.11256	229.75
227.59	263.736	57.2089	0.0175	2.05E-04	25969.1	1.8633	0.226603	1.11255	229.741
227.19	263.682	57.093	0.0175	2.05E-04	25965.8	1.8634	0.226702	1.11254	229.732
226.79	263.627	56.9774	0.0176	2.05E-04	25962.5	1.8634	0.226802	1.11253	229.723
226.39	263.573	56.8618	0.0176	2.05E-04	25959.2	1.8635	0.226901	1.11251	229.714
225.99	263.519	56.7464	0.0176	2.05E-04	25955.9	1.8635	0.226999	1.1125	229.705
225.59	263.464	56.6312	0.0177	2.05E-04	25952.6	1.8636	0.227098	1.11249	229.696
225.19	263.41	56.5161	0.0177	2.05E-04	25949.3	1.8636	0.227196	1.11248	229.687
224.79	263.355	56.4012	0.0177	2.05E-04	25946	1.8637	0.227294	1.11246	229.678
224.39	263.3	56.2864	0.0178	2.05E-04	25942.6	1.8637	0.227392	1.11245	229.669
223.99	263.246	56.1718	0.0178	2.05E-04	25939.3	1.8638	0.227489	1.11244	229.66
223.59	263.191	56.0573	0.0178	2.05E-04	25935.9	1.8638	0.227586	1.11242	229.65
223.19	263.136	55.943	0.0179	2.05E-04	25932.6	1.8639	0.227682	1.11241	229.641
222.79	263.081	55.8288	0.0179	2.05E-04	25929.2	1.8639	0.227779	1.1124	229.632
222.39	263.025	55.7148	0.0179	2.06E-04	25925.9	1.864	0.227875	1.11238	229.622
221.99	262.97	55.6009	0.018	2.06E-04	25922.5	1.864	0.227971	1.11237	229.613
221.59	262.915	55.4872	0.018	2.06E-04	25919.1	1.8641	0.228066	1.11235	229.604
221.19	262.859	55.3736	0.0181	2.06E-04	25915.7	1.8641	0.228161	1.11234	229.594
220.79	262.804	55.2602	0.0181	2.06E-04	25912.3	1.8642	0.228256	1.11233	229.584
220.39	262.748	55.1469	0.0181	2.06E-04	25908.9	1.8643	0.228351	1.11231	229.575
219.99	262.693	55.0338	0.0182	2.06E-04	25905.5	1.8643	0.228445	1.1123	229.565
219.59	262.637	54.9209	0.0182	2.06E-04	25902.1	1.8644	0.228539	1.11228	229.555
219.19	262.581	54.808	0.0182	2.06E-04	25898.6	1.8644	0.228632	1.11227	229.546
218.79	262.525	54.6954	0.0183	2.06E-04	25895.2	1.8645	0.228725	1.11225	229.536
218.39	262.469	54.5828	0.0183	2.06E-04	25891.8	1.8646	0.228818	1.11224	229.526
217.99	262.413	54.4705	0.0184	2.06E-04	25888.3	1.8646	0.228911	1.11222	229.516
217.59	262.356	54.3583	0.0184	2.06E-04	25884.8	1.8647	0.229003	1.11221	229.506
217.19	262.3	54.2462	0.0184	2.06E-04	25881.4	1.8647	0.229095	1.11219	229.496
216.79	262.244	54.1343	0.0185	2.06E-04	25877.9	1.8648	0.229187	1.11217	229.486
216.39	262.187	54.0225	0.0185	2.06E-04	25874.4	1.8649	0.229278	1.11216	229.476
215.99	262.131	53.9108	0.0185	2.06E-04	25870.9	1.8649	0.229369	1.11214	229.466
215.59	262.074	53.7994	0.0186	2.06E-04	25867.4	1.865	0.229459	1.11212	229.456
215.19	262.017	53.688	0.0186	2.06E-04	25863.9	1.865	0.22955	1.11211	229.446
214.79	261.96	53.5768	0.0187	2.06E-04	25860.4	1.8651	0.229639	1.11209	229.435
214.39	261.903	53.4658	0.0187	2.06E-04	25856.9	1.8652	0.229729	1.11207	229.425
213.99	261.846	53.3549	0.0187	2.06E-04	25853.3	1.8652	0.229818	1.11206	229.415
213.59	261.789	53.2442	0.0188	2.06E-04	25849.8	1.8653	0.229907	1.11204	229.404
213.19	261.732	53.1336	0.0188	2.06E-04	25846.2	1.8654	0.229996	1.11202	229.394
212.79	261.674	53.0231	0.0189	2.06E-04	25842.7	1.8654	0.230084	1.11201	229.383
212.39	261.617	52.9128	0.0189	2.06E-04	25839.1	1.8655	0.230172	1.11199	229.372
211.99	261.559	52.8026	0.0189	2.06E-04	25835.5	1.8656	0.230259	1.11197	229.362
211.59	261.502	52.6926	0.019	2.06E-04	25831.9	1.8656	0.230346	1.11195	229.351
211.19	261.444	52.5827	0.019	2.06E-04	25828.3	1.8657	0.230433	1.11193	229.34
210.79	261.386	52.473	0.0191	2.06E-04	25824.7	1.8658	0.230519	1.11191	229.33
210.39	261.328	52.3634	0.0191	2.06E-04	25821.1	1.8658	0.230605	1.1119	229.319
209.99	261.27	52.254	0.0191	2.06E-04	25817.5	1.8659	0.230691	1.11188	229.308
209.59	261.212	52.1447	0.0192	2.06E-04	25813.9	1.866	0.230776	1.11186	229.297
209.19	261.154	52.0355	0.0192	2.06E-04	25810.2	1.8661	0.230861	1.11184	229.286
208.79	261.096	51.9265	0.0193	2.06E-04	25806.6	1.8661	0.230946	1.11182	229.275
208.39	261.037	51.8177	0.0193	2.06E-04	25802.9	1.8662	0.23103	1.1118	229.264
207.99	260.979	51.709	0.0193	2.07E-04	25799.3	1.8663	0.231114	1.11178	229.252
207.59	260.92	51.6004	0.0194	2.07E-04	25795.6	1.8664	0.231198	1.11176	229.241
207.19	260.861	51.4919	0.0194	2.07E-04	25791.9	1.8664	0.231281	1.11174	229.23
206.79	260.802	51.3837	0.0195	2.07E-04	25788.2	1.8665	0.231363	1.11172	229.218
206.39	260.744	51.2755	0.0195	2.07E-04	25784.5	1.8666	0.231446	1.1117	229.207
205.99	260.684	51.1675	0.0195	2.07E-04	25780.8	1.8667	0.231528	1.11168	229.196
205.59	260.625	51.0597	0.0196	2.07E-04	25777	1.8667	0.231609	1.11166	229.184
205.19	260.566	50.9519	0.0196	2.07E-04	25773.3	1.8668	0.23169	1.11164	229.172
204.79	260.507	50.8444	0.0197	2.07E-04	25769.6	1.8669	0.231771	1.11161	229.161
204.39	260.447	50.7369	0.0197	2.07E-04	25765.8	1.867	0.231852	1.11159	229.149
203.99	260.388	50.6296	0.0198	2.07E-04	25762	1.867	0.231932	1.11157	229.137

Pressure	Temp	Density	Sp. Vol	Viscosity	Re	Length	Dry Frac	Entropy	Enthalpy
203.19	260.268	50.4155	0.0198	2.07E-04	25754.5	1.8672	0.232091	1.11153	229.114
202.79	260.209	50.3086	0.0199	2.07E-04	25750.7	1.8673	0.232169	1.1115	229.102
202.39	260.149	50.2019	0.0199	2.07E-04	25746.9	1.8674	0.232248	1.11148	229.09
201.99	260.089	50.0953	0.02	2.07E-04	25743.1	1.8674	0.232326	1.11146	229.078
201.59	260.028	49.9889	0.02	2.07E-04	25739.2	1.8675	0.232404	1.11144	229.065
201.19	259.968	49.8826	0.02	2.07E-04	25735.4	1.8676	0.232481	1.11141	229.053
200.79	259.908	49.7764	0.0201	2.07E-04	25731.5	1.8677	0.232558	1.11139	229.041
200.39	259.847	49.6704	0.0201	2.07E-04	25727.7	1.8678	0.232634	1.11137	229.029
199.99	259.787	49.5645	0.0202	2.07E-04	25723.8	1.8678	0.23271	1.11134	229.016