
```

TF = 32:3.6:93.2;
TC = 5/9*(TF-32);
rho = 5.5289e-8*TC.^3-8.5016e-6*TC.^2+6.5622e-5*TC+0.99987

```

```

plot(TC,rho)
title 'Temperature_vs_Density'
xlabel 'Temperature(C)'
ylabel 'Density(g/cm^3)'

```

```
rho =
```

```
Columns 1 through 7
```

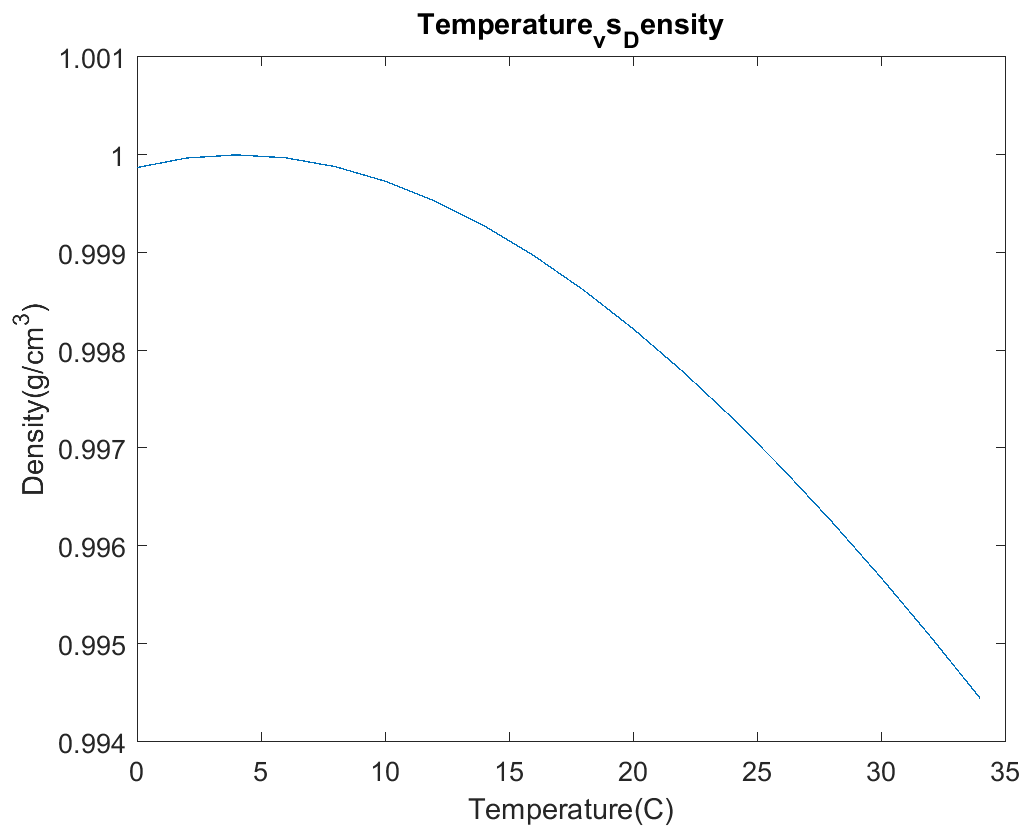
```
0.9999    1.0000    1.0000    1.0000    0.9999    0.9997    0.9995
```

```
Columns 8 through 14
```

```
0.9993    0.9990    0.9986    0.9982    0.9978    0.9973    0.9968
```

```
Columns 15 through 18
```

```
0.9963    0.9957    0.9951    0.9944
```



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