**Transient Heat Conduction Time and Temperature Distributions in a Semi-Infinite Solid**

We shall examine the temperature in the semi-infinite solid in two ways. In the first way, the temperature is plotted over the range 0 ≤ η ≤ 5 and 0.01 ≤ τ ≤ 3. In the second way, the temperature is plotted as a function of τ for 0.01 ≤ τ ≤ 4 at η = 0, 1, 2, 3, 4, and 5.