L4STEFS

The Stefan Boltzmann Law. The units are Power/area in Watt/m^2
A linear and a logarithmic scale are used.

$$h := 6.626 \cdot 10^{-34} \cdot W \cdot s^2 \qquad c := 3 \cdot 10^8 \cdot \frac{m}{s} \qquad k := 1.38 \cdot 10^{-23} \cdot W \cdot \frac{s}{K}$$

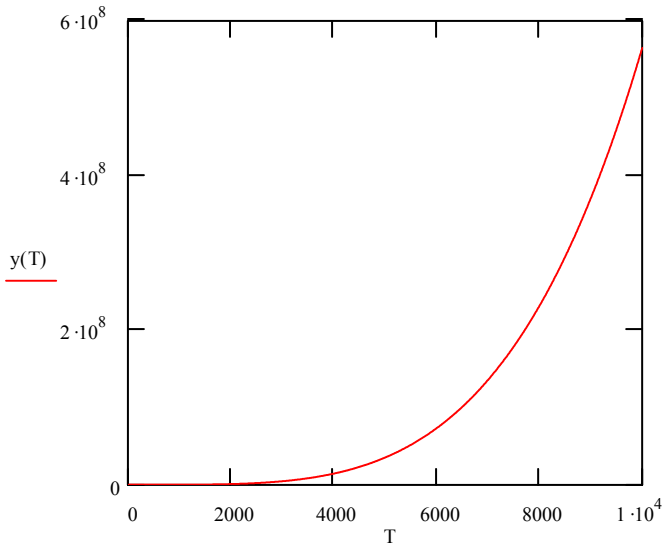
$$T := 10, 20 .. 10000$$

$$\sigma := \frac{2}{15} \cdot \left(\frac{\pi^5 \cdot k^4}{c^2 \cdot h^3} \right)$$

$$y(T) := \sigma \cdot T^4$$

$$\sigma = 5.652 \times 10^{-8} \, kg \, s^{-3} \, K^{-4}$$

Linear y-scale



Logarithmic y-scale