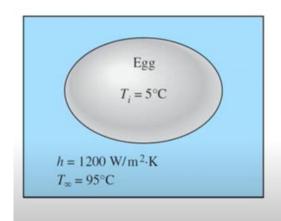
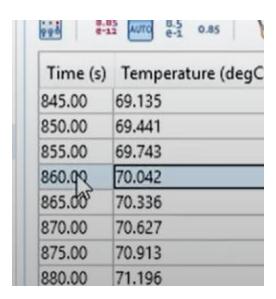
## **Transient Heat Transfer Demonstration Problem**



r = 2.5 cm k = 0.627 W/m·K  $\rho = 993.05 \text{ kg/m}^3$   $\underline{c_p} = 4178.5 \text{ J/kg·K}$   $\underline{T_i} = 5 \text{ °C}$  h = 1200 W/m² K

The time at which the center of the egg reaches 70°C.?



Reference: COMSOL Conduction heat transfer - Boiling Eggs, https://www.youtube.com/watch?v=HZtdfpbAz9E