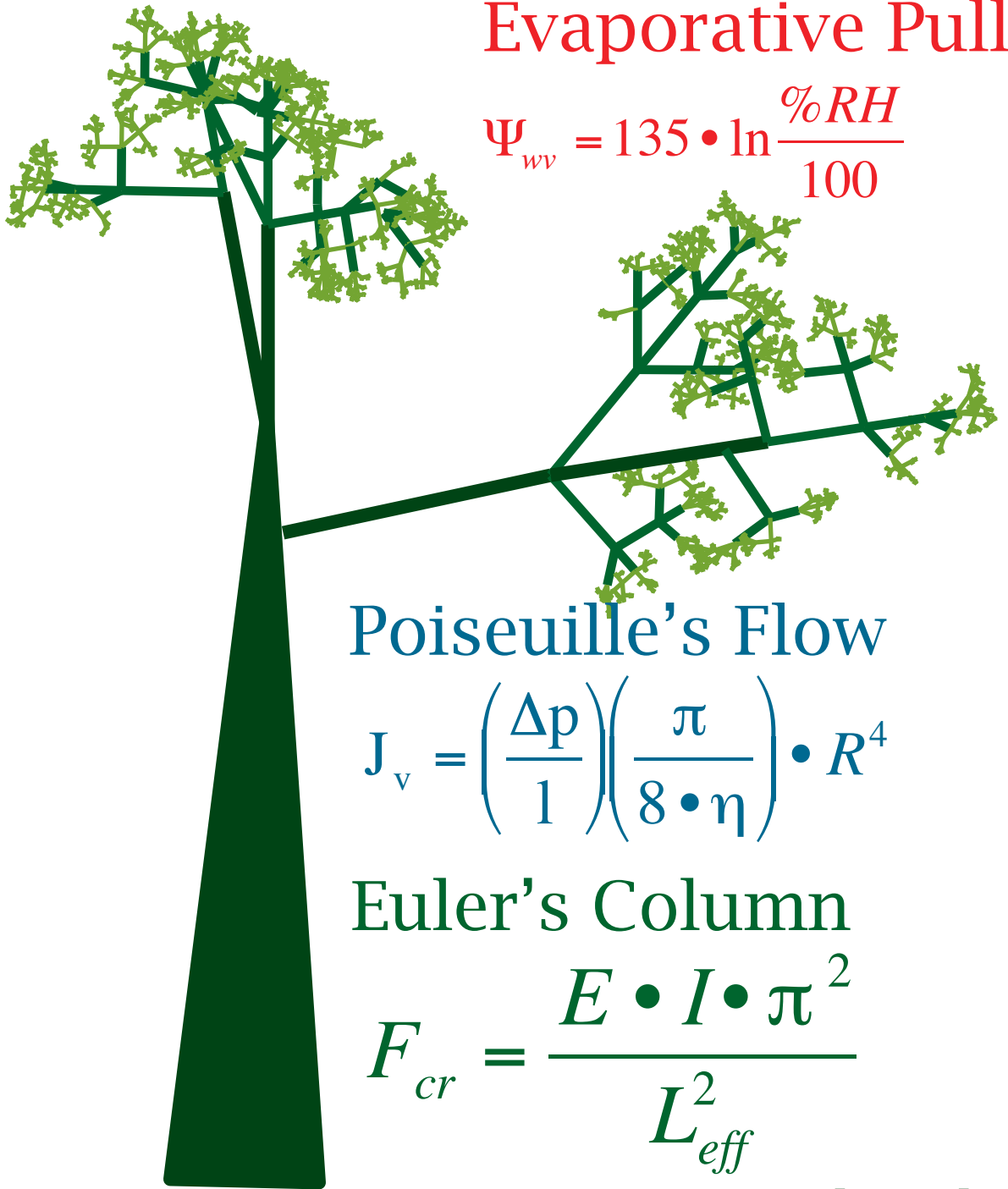


# How High Can a Tree Grow?

Tensile Water



Evaporative Pull

$$\Psi_{wv} = 135 \cdot \ln \frac{\%RH}{100}$$

Poiseuille's Flow

$$J_v = \left( \frac{\Delta p}{l} \right) \left( \frac{\pi}{8 \cdot \eta} \right) \cdot R^4$$

Euler's Column

$$F_{cr} = \frac{E \cdot I \cdot \pi^2}{L_{eff}^2}$$

Current Topics in Biophysics  
(SC/BPHS 2090 2.0)

**B**iophysical  
**C**urrents