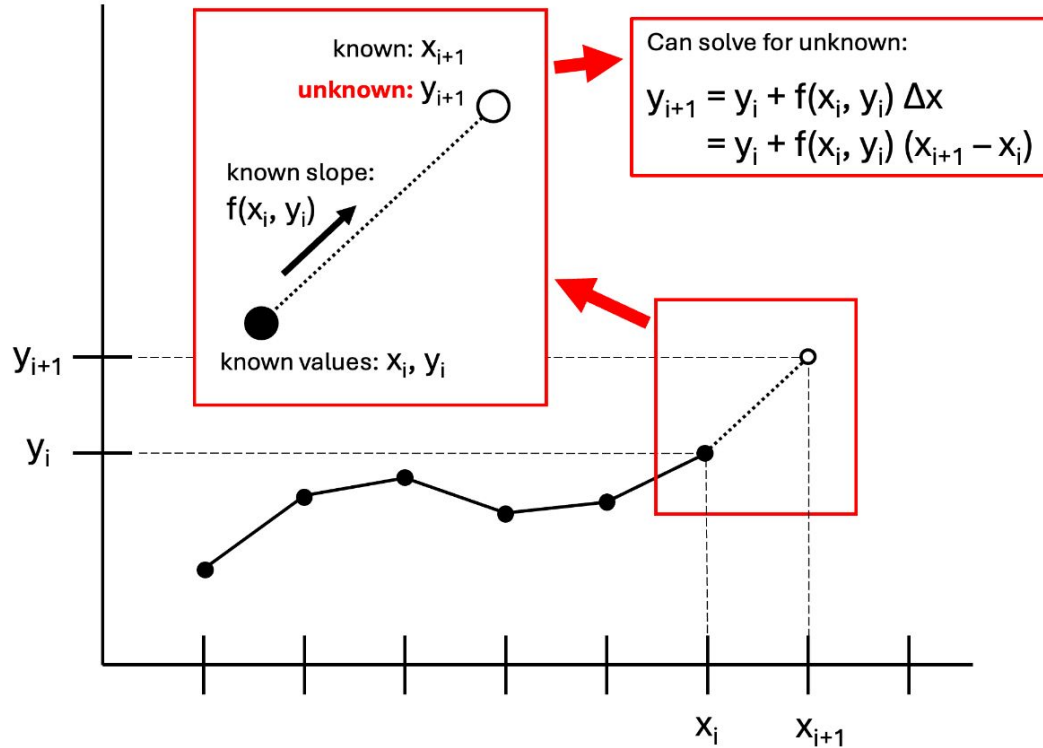# The Euler Method
Day 16 – PH 365

25 Nov 2024

Announcements
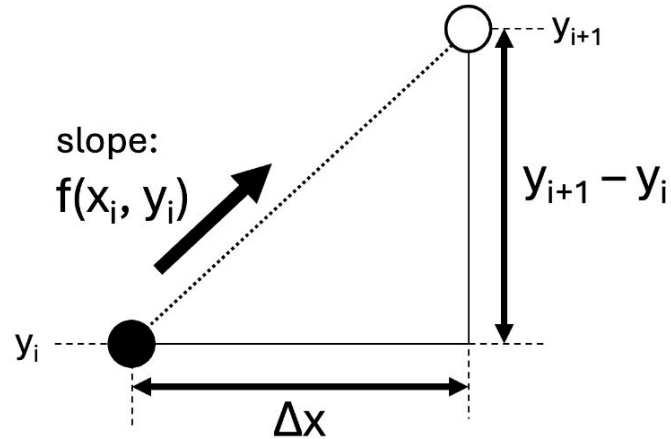
No class on Wednesday

Mini-project 2 in class next week

- Similar format to mini-project 1
- Reflection questions only worth 15% instead of 30%
- Expected to include narrative description in markdown cells interspersed with code (not just code comments)
- **Class poll:** Present your findings in small groups? (8-10 peers)

Euler Method

Euler Method

Derivation:

$$f(x_i, y_i) = dy/dx = (y_{i+1} - y_i) / \Delta x$$

Solve for y_{i+1}: $\mathbf{y_{i+1} = y_i + f(x_i, y_i)\ \Delta x}$