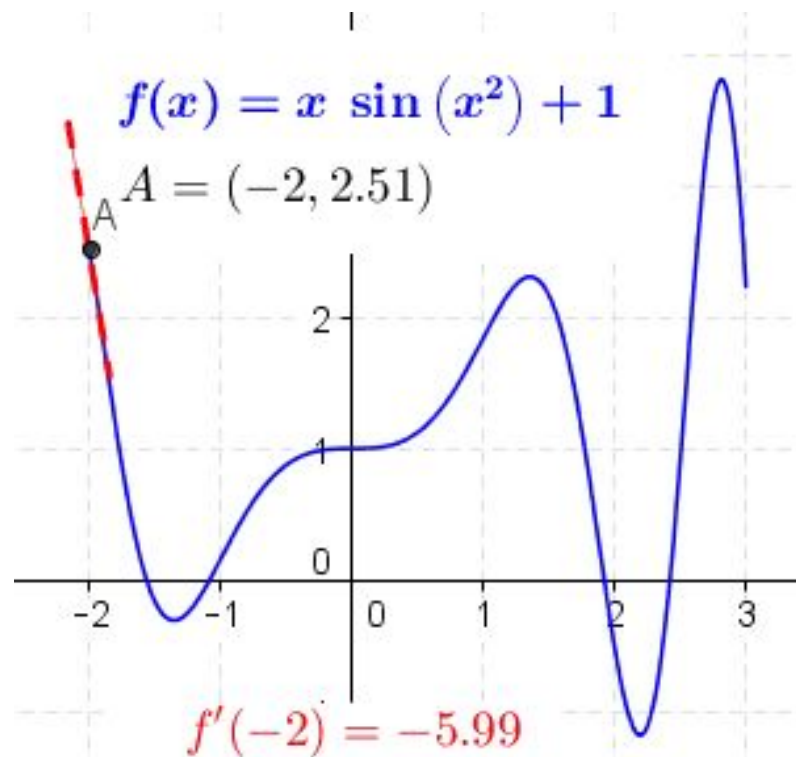


The Euler Method

Day 15 – PH 365

18 Nov 2024

Derivatives



Euler Method

Using the derivative (slope) to estimate where the next point is

Known values:

$$x_i$$

$$y_i$$

$$f(x_i, y_i) = dx_i / dy_i$$

Unknown value we can solve for:

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

Euler Method

