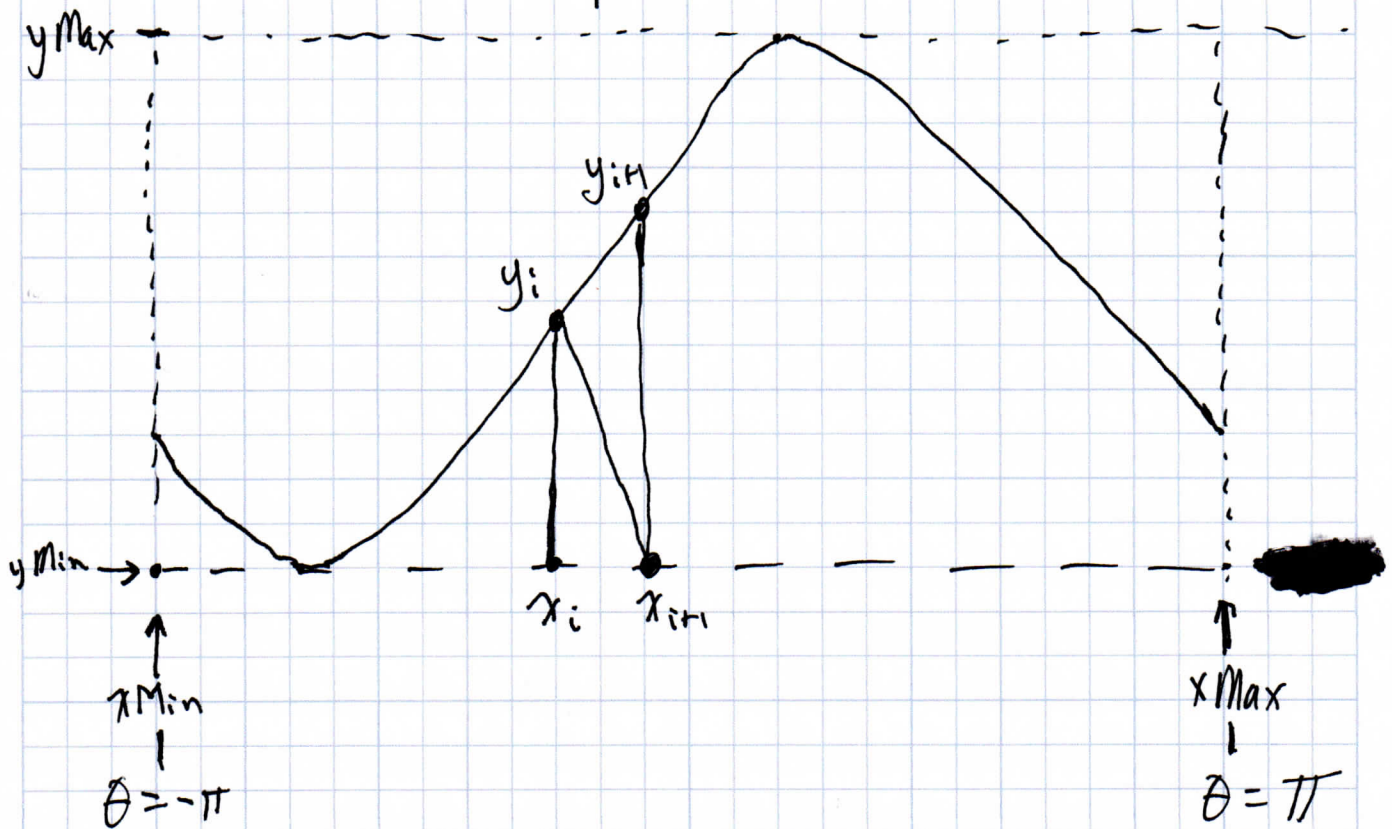


Mountain (x_{Min} , x_{Max} , y_{Min} , y_{Max} , frequency, phase, numSamplePoints)



$$y_i = a \cos(\text{frequency} \times \theta_i + \text{phase}) + b$$

$$x_{i+1} = x_i + \Delta x ; \quad \Delta x = \frac{x_{Max} - x_{Min}}{(\text{numSamplePoints} - 1)}$$

$$\theta_{i+1} = \theta_i + \Delta \theta \quad \Delta \theta = \frac{2\pi}{(\text{numSamplePoints} - 1)}$$

'a' and 'b' are computed by linearMap to map $-1 \dots +1 \Rightarrow y_{Min} \dots y_{Max}$.