

Estimate

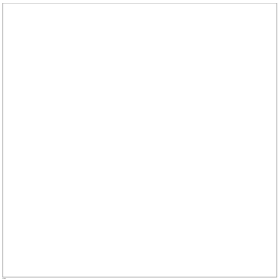


Figure 1: The figure shows a plot of the function $f(x) = \sin(x)$ for x in the interval $[0, 2\pi]$. The x-axis is labeled x and ranges from 0 to 2π . The y-axis is labeled $f(x)$ and ranges from -1 to 1. The function is a sine wave starting at (0,0), reaching a maximum at $(\pi/2, 1)$, crossing the x-axis at $(\pi, 0)$, reaching a minimum at $(3\pi/2, -1)$, and ending at $(2\pi, 0)$.