

The figure displays a scatter plot of a periodic function. The x-axis ranges from 0.0 to 1.0 with major ticks every 0.2 units. The y-axis ranges from 0.0 to 1.0 with major ticks every 0.2 units. The data points, represented by blue dots, form a closed, smooth curve that resembles a sine wave with a period of 1.0. The curve starts at (0.0, 0.5), reaches a minimum of approximately 0.2 at x ≈ 0.125, crosses the x-axis at x ≈ 0.25, reaches a maximum of approximately 0.8 at x ≈ 0.375, crosses the x-axis again at x ≈ 0.5, reaches another minimum of approximately 0.2 at x ≈ 0.625, crosses the x-axis at x ≈ 0.75, reaches a second maximum of approximately 0.8 at x ≈ 0.875, and finally returns to the starting point at (1.0, 0.5).

