

Assignment 7: Graphics

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February 24, 2003

Maple can produce several forms of graphs. For instance, some of its plotting capabilities include two-dimensional and three-dimensional graphs.

Graph the following functions:

1)

$$\theta = \sin(3r), \quad r \in [0, 7];$$

2)

$$f(x, y) = \sin(x)\cos(y), \quad x \in [0, 2\pi], \quad y \in [0, 2\pi];$$

3)

$$r = \sin(t) \quad \text{and} \quad \theta = \cos(t), \quad t \in [0, 2\pi];$$

4)

$$z = \sin(xy), \quad x \in [-2, 2], \quad y \in [-2, 2].$$

Value of this assignment is 4 points (1 point is equal to 1 percent of your final mark).