Section 13.1: Vector functions and space curves

The following command must be entered first in order to plot space curves with Maple. Disregard the warning that results.

> with(plots):

Warning, the name changecoords has been redefined

Example 1: Plot the space curve described by \( r(t) = \langle \cos(t), t^2, \sin(t) \rangle \).

> spacecurve([cos(t),t^2,sin(t)],t=0..3*Pi);

Example 2 (Exercise 13.1.35)

> spacecurve([t,0.5*(t^2 - 1),1 + 0.5*(t^2 - 1)],t=-10..10);

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