Lab 5: Parametric Curves

Lab5.ma is a *Mathematica* notebook that analyzes curves defined by parametric equations. It shows how to graph such curves, and it computes their lengths and the areas of the surfaces obtained by revolving them about an axis.

Like all *Mathematica* notebooks, this one is used by opening its cells and executing its *Mathematica* commands. To open a cell, double-click on its cell bracket. To execute a *Mathematica* command, click on its cell bracket to select it, and then press the Enter key (not the Return key).

Lab5.wn explains how to work through **Lab5.ma** on the NeXT.

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Category:

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Mathematics
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Usage:

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This software is used by students
enrolled in Calculus II
at the University of Richmond.
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Version:

This software uses Mach 2.0
and *Mathematica* 2.0

References:

This software refers to the two books:

Calculus and Analytic Geometry, Fourth Edition
by Sherman K. Stein (McGraw-Hill, 1987).

A Guidebook to Calculus with Mathematica
by Philip Crooke and John Ratcliffe (Wadsworth, 1991).