

Lab 6: Sequences

Lab6.ma is a *Mathematica* notebook that studies the convergence of sequences defined explicitly and recursively. It also analyzes Newton's Method for solving equations.

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).

Lab6.wn explains how to work through **Lab6.ma** on the NeXT.

Author:

```
John R Hubbard  
Maths & Computer Sci  
U of Richmond, VA 23173  
hubbard@newton.urich.edu
```

Category:

```
Mathematics
```

Usage:

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

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).