Lab 7: Series

Lab7.ma is a *Mathematica* notebook that analyzes geometric series and p-series. This leads to Euler's constant, the Riemann zeta function, and the unsolved problems that they pose.

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).

Lab7.wn explains how to work through **Lab7.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).
```