

# *Introduction to Programming with Mathematica, 3rd Edition*

Errata (first printing)  
January 2005

## ***1 Introduction***

- **Page 11**, second from bottom text paragraph: change: “Clicking the button will cause the *Mathematica* code in the `ButtonFunction` to be immediately evaluated and the following graphics will then be displayed in your notebook.” to “Clicking the button will cause the *Mathematica* code in the `ButtonFunction` to be evaluated and the graphic of the icosahedron will then be displayed in your notebook.”

## ***3 Lists***

- **Page 55**, 9 text lines from top: change “...and the *The Mathematica Book*...” to “...and *The Mathematica Book*...”.

## ***4 Functional programming***

- **Page 95**, Exercise 4: change `interleave2` to `interleave`.

## ***9 Graphics programming***

- **Page 278**, Exercise 5: change “...appeared in Porta, Davis and Uhl, 1994.” to “...appeared in the Calculus&*Mathematica* courseware (Porta, Davis and Uhl 1994).”  
.
- **Page 298**, Exercise 13: change “...from Exercise 13...” to “... from Exercise 12...”.

### ***11 Examples and applications***

- **Page 350**, Exercise 3: change “In addition, you function...” to “In addition, your function...”.

### ***12 Writing packages***

- **Page 413**, first line: change “A 100 step off-lattice...” to “A 1000 step off-lattice...”.
- **Page 415**, first line: change “...a package CollatzSequence.m...” to “...a package Collatz.m...”.

### ***References***

- **Page 428**: add LAGARIAS, J., MILLER, V., and ODLYZKO, A. Computing  $\pi(x)$ : The Meissel-Lehmer Method. *Math Comp.*, **44** 537–560, 1985.
- **Page 429**: add PORTA, H., DAVIS, W., and UHL, J. *Calculus & Mathematics*. Reading, MA: Addison-Wesley, 1994.

### ***Solutions to exercises***

- **Page 441-2**, Solution 1: change pairSum to addPair (two occurrences).
- **Page 445**, Solution 3: change “...Times functions...” to “...Times function...”.
- **Page 446**, Solution 4: change interLeave2 to interleave.
- **Page 483**, last text sentence: delete “The second form simply calls the first.”
- **Page 508**, first line: add “(Note: Graphics`Polyhedra` calls Geometry`Polytopes` in which some of the functions such as Cube, Dodecahedron, and others are defined. So you might want to examine Names of that package as well.)” immediately following this first line.
- **Page 514**, Solution 9: change “Exercise 9” to “Exercise 8”.

***Index***

- **Page 546** add index entry: Perl language, 162