



Programming in Mathematica (3rd Edition)

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Addison-Wesley Professional, 1997. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. About this Book. Chapter Overview. About the Examples. Notation and Terminology. The Programming in Mathematica Web Site. Teaching Mathematica Programming. 1. Introduction. From Calculations to Programs. Basic Ingredients of a Package. A Second Function in the Package. Options. Defaults for Positional Arguments. Parameter Type Checking. 2. Packages. Contexts. Packages that Use Other Packages. Protection of Symbols in a Package. Package Framework and Documentation. Loading Packages. Large Projects. 3. Defaults and Options. Default Values. Options for Your Functions. Setting Options of Several Commands. 4. Functional and Procedural Programming. Procedures and Local Variables. Loops. Structured Iteration. Iterated Function Application. Map and Apply. Application: The Platonic Solids. Operations on Lists and Matrices. 5. Evaluation. Evaluation of the Body of a Rule. Pure Functions. Nonstandard Evaluation. Nonlocal Flow of Control. Definitions. Advanced Topic: Scopes of Names. 6. Transformation Rules. Simplification Rules and Normal Forms. Application: Trigonometric Simplifications. Globally Defined Rules. Pattern Matching for Rules. Traversing Expressions. 7. Numerical Computations. Numbers. Numerical Evaluation. Numeric Quantities. Application: Differential Equations. 8. Interaction with Built-In Rules. Modifying the Main Evaluation Loop. User-Defined Rules Take Precedence. Modifying System Function. Advanced Topic:...

Reviews

This composed publication is fantastic. This is certainly for all those who statte that there was not a well worth reading through. You will not truly feel monotony at whenever you want of your respective time (that's what catalogs are for regarding when you ask me).

-- Prof. Mark Ratke Jr.

Simply no words and phrases to clarify. It really is full of knowledge and wisdom You wont feel monotony at at any moment of the time (that's what catalogs are for relating to when you question me).

-- Paolo Spinka