



Computer Arithmetic And Self-Validating Numerical Methods

Author :Christian Ullrich / **Category :**Computers / **Total Pages :** 316 pages

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Summary : Free computer arithmetic and self-validating numerical methods pdf download - notes and reports in mathematics in science and engineering volume vii computer arithmetic and self-validating numerical methods compiles papers presented at the first international conference on computer arithmetic and self-validating numerical methods held in basel from october 2 to 6 1989 this book begins by providing a tutorial introduction to computer arithmetic with operations of maximum accuracy differentiation arithmetic and enclosure methods and programming languages for self-validating numerical methods the rest of the chapters discuss the determination of guaranteed bounds for eigenvalues by variational methods and guaranteed inclusion of solutions of differential equations an appendix covering the imacs-gamm resolution on computer arithmetic is provided at the end of this publication this volume is recommended for researchers and professionals working on computer arithmetic and self-validating numerical methods

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