Numerical Methods I - Basis and Fundamentals (Paperback)

By Boris Obsieger

Boris Obsieger, United States, 2013. Paperback. Book Condition: New. 244 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.An excellent textbook recommended by universities in several countries. Primarily written for students at technical universities, it is also very useful handbook for engineers, PhD students and scientists. The book introduces the reader into numeral systems, numbers in computers, types of variables and errors. Error analyses and error estimation are accomplished by various types of regression analyses that are usually used in an experimental work by engineers and scientists. It introduces the reader into numeral systems, numbers in computers, types of variables, types of errors and methods for finding roots of polynomials. Error analyses and error estimation are supplemented by various types of regression analyses that are usually used in an experimental work by engineers and scientists. Why are the presented topics so important? Simply, they are common to all numerical methods. Possibly, the most important parts are the descriptions of differences between constant (non-random) and random variables, related types of errors and error propaga-tions. Engineers and scientists sometimes ignore the difference between variables of different types, roughly interpreting all variables in their computations as constant variables....

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