



## Numerical Methods III - Approximation of Functions

By Boris Obsieger

Boris Obsieger, United States, 2015. Paperback. Book Condition: New. 244 x 170 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Paperback, color print on 70lb white paper. Other e- and printed color and bw editions are or will be also available. \* \* \* About the book: An excellent textbook established at several universities. Primarily written for students at technical universities, it is also a very useful handbook for engineers, PhD students and scientists. Now available at all continents. - - - This textbook introduces the reader into various types of approximations of functions, which are defined either explicitly or by their values in the distinct set of points, as well as into the economization of existing approximation formulas. - - - Why the approximation of functions is so important? Simply, various functions (such as trigonometric functions and logarithms) cannot be calculated without approximation. Approximation formulas for some of these functions are already implemented in calculators and standard computer libraries, providing accuracy to all the bits in which a value is stored. High accuracy is usually not required and requires more numerical operations than necessary. Economised approximation formulas can provide the required accuracy with less numerical operations,...



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