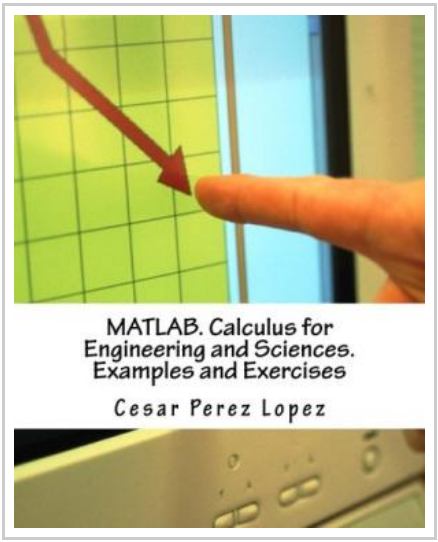

MATLAB. Calculus for Engineering and Sciences. Examples and Exercises

By Cesar Perez Lopez

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****.This book presents scientific calculation techniques through examples and exercises resolved with MATLAB software and its application to engineering and experimental sciences. In successive chapters topics relating to the differential and integral calculus, calculation of limits of sequences and functions, to work with numerical series and power series, to work with differential equations, finite difference equations and differential equations in partial derivatives. Applications of the derivative and the integral in one and several variables, both in the calculation of areas and volumes, are developed with special emphasis as in the field of optimization. Also treated especially applications of differential equations and numerical calculation methods that approximate the equations and systems of differential ecuacuiones of first order and higher order. The contents of the book special also refers to work with operators and functions of real and complex variable and especially the use of specialized functions and functions in m-ficheros defined to facilitate programming. Likewise, presents a wide graphic content that includes the representation of curves, surfaces, contours, graphics of meshes and volumes coordinates Cartesian, implicit, explicit, parametric and...

Reviews

Extensive guide! Its such a excellent read. This can be for anyone who statte that there was not a worth looking at. I am just effortlessly will get a satisfaction of looking at a written publication.

-- ***Melvin Hettinger***

This book will not be effortless to start on reading through but very exciting to learn. It is amongst the most remarkable book i have got go through. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- ***Dr. Easton Collier DVM***