



## Excel with VBA

By Francis Hauser

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This book was born when dynamic systems analyst Francis Hauser, PhD, discovered the power of this well-integrated programming platform. He realized how helpful this would have been to him as a student and as a practicing engineer and university teacher. He decided this has got to be told. From this book, the reader can expect to be writing computer programs using Microsoft Office Excel with VBA. This book defines and demonstrates VBA syntax incrementally using example programs that range from common math problems like finding roots of polynomials to more advanced problems like finding eigenvalues of general matrices using the QR algorithm. Example programs with complete code listings cover the following topics: Roots of polynomials Linear algebraic equations Runge-Kutta numerical integration 3D object rotation Newton-Raphson for nonlinear equations Linearizing equations State variable form of equations Eigenvalues via the QR algorithm Transfer functions via the QR algorithm Frequency response Root locus Dantzig's Simplex Algorithm Discrete Fourier transform These code listings are explained by in depth tutorials on the topics, and include checkout methods learned from experience. This guidebook...



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