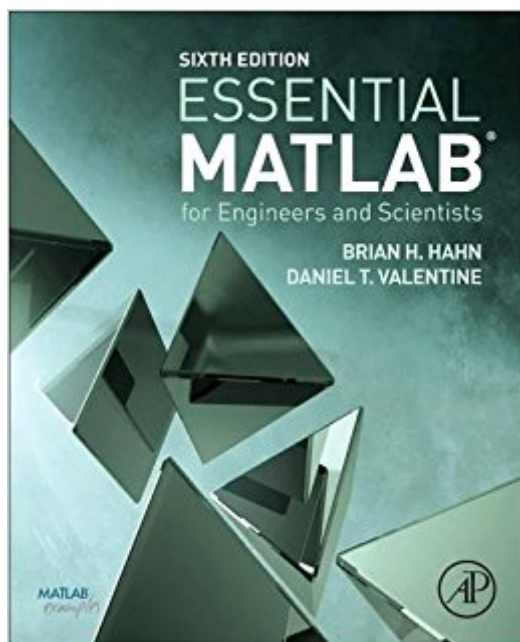


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Essential MATLAB For Engineers And Scientists, Sixth Edition



Synopsis

Essential MATLAB for Engineers and Scientists, Sixth Edition, provides a concise, balanced overview of MATLAB's functionality that facilitates independent learning, with coverage of both the fundamentals and applications. The essentials of MATLAB are illustrated throughout, featuring complete coverage of the software's windows and menus. Program design and algorithm development are presented clearly and intuitively, along with many examples from a wide range of familiar scientific and engineering areas. This updated edition includes the latest MATLAB versions through 2016a, and is an ideal book for a first course on MATLAB, or for an engineering problem-solving course using MATLAB, as well as a self-learning tutorial for professionals and students expected to learn and apply MATLAB. Updated to include all the newer features through MATLAB R2016a. Includes new chapter on complex variables analysis. Presents a comparison of execution time between compiled and un-compiled code that includes examples. Describes the new H2 graphics features.

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Daniel Valentine is a Professor of Mechanical and Aeronautical Engineering at Clarkson University and Affiliate Director of the Clarkson Space Grant Program which is part of the New York NASA Space Grant Consortium. This program has provided support for undergraduate research appointments, and for graduate students. He is currently investigating the nonlinear dynamics of

two-dimensional, Navier-Stokes flows as part of his work on the development of computational methods to solve fluid dynamics problems. He is also working on the flow-structure interaction of long-span bridges, unsteady hydrodynamics and offshore renewable energy. Other activities include investigations to develop a computational method to predict the effect of a marine propulsor on wave resistance of ships, to examine the effect of density stratification on rotating flows, to develop computational tools to predict the time-averaged properties of high-Reynolds number flows among other fluid mechanics problems.

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Really good book to learn the basics of matlab.

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