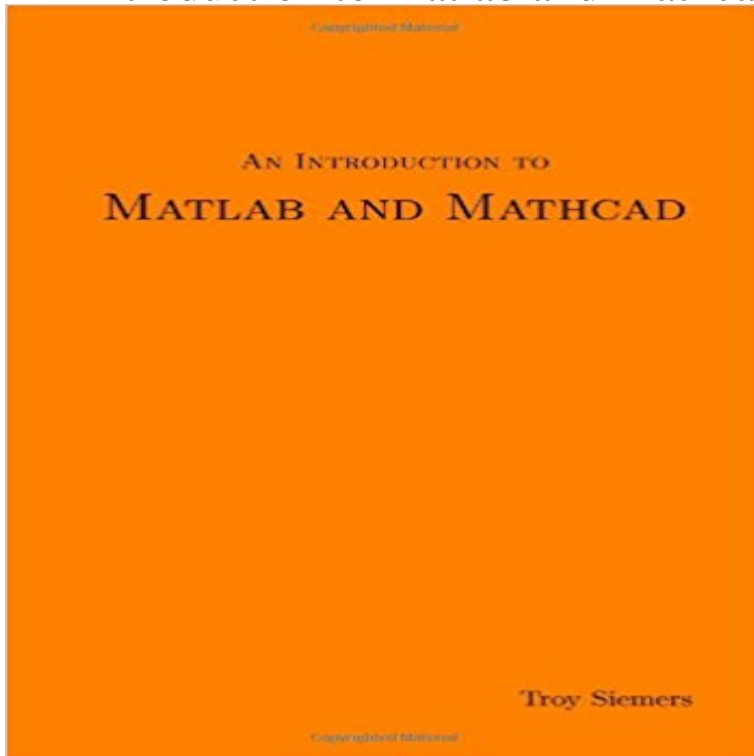


# An Introduction to Matlab and Mathcad



This textbook, or really a coursebook for a college freshman-level class, provides an introduction to programming and problem solving using both Matlab and Mathcad. We provide a balanced selection of introductory exercises and real-world problems (i.e. no contrived problems). We include many examples and screenshots to guide the reader. We assume no prior knowledge of Matlab or Mathcad. This open book was designed through the APEX consortium at the Virginia Military Institute and published through creative commons licensing. We encourage you to contact the author, or visit the APEX website at VMI ([www.vmi.edu/macs](http://www.vmi.edu/macs) or [www.vmi.edu/apex](http://www.vmi.edu/apex)) for more details on the consortium (including collaboration opportunities), the free full-color pdf version of the book and access to the source files for the book (in TeX).

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