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An Introduction to Partial Differential Equations with MATLAB is a textbook that features MATLAB to aid with problem solving. It includes carefully explained central ideas of the subject, derivations of equations, and historical accounts. It also contains a computational chapter that focuses on the use of finite differences-the numerical method most widely used by engineers. MATLAB is integrated throughout the book in chapter projects that present the problem to be solved along with instructions on how to use the MATLAB software. The MATLAB routines used in the book are provided for download from the Internet. Prerequisites for the book are courses in calculus and differential equations.