

MATLAB®-BASED ELECTROMAGNETICS presents and explains electromagnetics “hands on” using MATLAB on one side and develops and discusses MATLAB for electromagnetics on the other.

FEATURES:

- 389 MATLAB computer exercises and projects of all levels of difficulty, combined with fundamental theory
- MATLAB coverage of all topics and concepts in undergraduate EM fields and waves
- 125 TUTORIALS with detailed worked out solutions merged with listings of MATLAB codes (m files)
- 98 HINTS providing guidance on the solution; 130 MATLAB exercises recommended to be done also “by hand”
- 48 movies developed and played in MATLAB, 133 MATLAB-generated figures (color versions available on Companion Website), and 16 GUIs built in MATLAB
- Abundant opportunities for in-class and homework projects, lectures, recitations, and class demonstrations

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