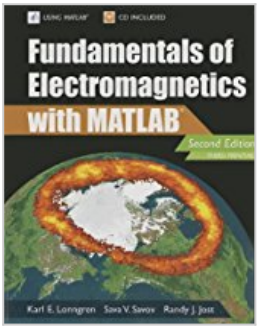

Fundamentals of Electromagnetics with MATLAB

By Karl E. Lonngren, Sava Savov, Randy J. Jost

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Fundamentals of Electromagnetics with MATLAB, 2nd Edition is much more than a mere textbook. The book itself offers a structural framework of principles, key equations, and problems. With that crucial supporting structure, each instructor, student or reader can turn to the supplemental files provided with this book or available online to customize and decorate each topic room.

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Editorial Review

Review
"This second edition conforms pretty much to what I think a 'book' must be, if it is to be used as a text. The authors have surrounded the book with electronic software that points squarely in the direction of the book-of-the-future...Lonngren's text is a big step along the wat to the CORRECT use of electronic multimedia." --Donald G. Dudley, University of Arizona, Founding Editor of the IEEE Press Series on Electromagnetic Wave Theory

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"What I like most about this textbook is its logical and straightforward presentation of the fundamentals, with relevant and helpful MATLAB examples and website materials." --Gregory D. Buckner, Associate Professor, Dept. of Mechanical and Aerospace Engineering, NC State University

About the Author
Randy J. Jost received his BSEE, MSEE, and PhD in electrical engineering from the University of Missouri-Columbia. He was commissioned a Second Lieutenant in the US Air Force in 1982 and was an instructor at the Air Force Institute of Technology from 1984-1988. Upon leaving AFIT, he worked for the Air Force Research Laboratory at Wright-Patterson AFB until 1991. From 1991 to 1996, he worked as a Program Manager for SRI, International in Rosslyn, Virginia. During this period, he also served as an IPA for the Office of the Secretary of the Air Force for two years. In 1996, he took a position as the Technical Director/Director of Engineering for Johnson Controls, at the National RCS Test Facility through 2000. In 2001 he joined Utah State University and was an assistant professor in the Department of Electrical & Computer Engineering through 2005. In 2006 he became a Senior Scientist with the Space Dynamics Laboratory at USU until 2011. In 2011 he joined Ball Aerospace and Technologies Incorporated, as a Staff Consultant in RF & Microwave Engineering. His areas of research interests include radar and microwave engineering, remote sensing, electromagnetic compatibility, computational electromagnetics, and electromagnetic measurement range characterization. Dr. Jost is a Senior Member of the Antenna Measurement Techniques Association, where he served a term on the Board of Directors. He is also a member of the Association of Old Crows, SPIE and ITEA. He has served a term on the Board of Directors of the Electromagnetic Compatibility Society and is active in the EMC Society and AES Society, serving on several committees and reviewing papers for both groups.

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