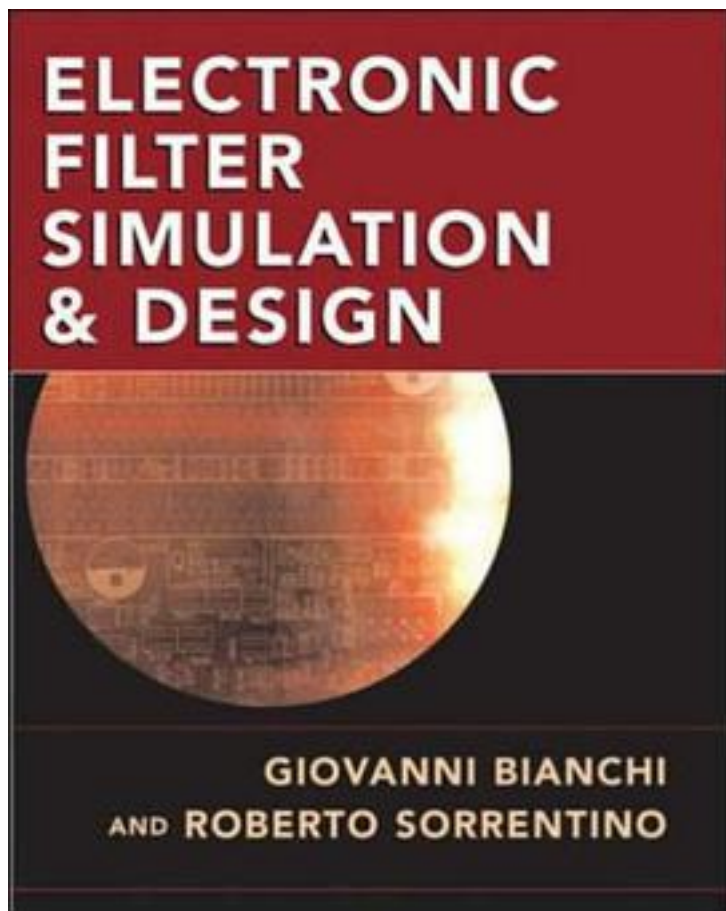


Electronic Filter Simulation and Design



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著者:Bianchi, Giovanni

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Utilize Powerful New Simulation Methods to Optimize Filter Design! Electronic Filter Simulation and Design shows you how to apply simulation methods and commercially available software to catch errors early in the design stage and streamline your design process. Using 150 detailed illustrations, this hands-on resource examines

cutting-edge simulation methods for lumped passive filters...active RC filters...low-pass and band-stop distributed filters...high-pass and band-pass distributed filters...high-frequency filters...discrete time filters...and much more. The book also contains a skills-building CD with files for major case studies covered in the text, together with demo versions of Mathcad and SIMetrix, so that you can work the examples and adapt them to their own projects. Electronic Filter Simulation and Design features: A wealth of synthesis procedures for design Expert guidance on filter verification via simulation The latest design techniques for high-frequency filtersA valuable CD with files for major case studies from the book, plus demo versions of Mathcad and SIMetrix for adapting them Inside this Time-Saving Filter Simulation and Design Guide * Basic Concepts * Lumped Passive Filters * Active RC Filters * Transmission Lines * Low-Pass and Band-Stop Distributed Filters * High-Pass and Band-Pass Distributed Filters * Special Designs of High Frequency Filters * Discrete Time Filters * Waveguide Filters * Appendixes

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