

[Free pdf] Conquer Radio Frequency: A Multimedia Conceptual Guide to RF Microwave Engineering, Based on AWR Microwave Office Video Tutorials

# Conquer Radio Frequency: A Multimedia Conceptual Guide to RF Microwave Engineering, Based on AWR Microwave Office Video Tutorials

*Fornetti Francesco*

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**Fornetti Francesco : Conquer Radio Frequency: A Multimedia Conceptual Guide to RF Microwave Engineering, Based on AWR Microwave Office Video Tutorials** before purchasing it in order to gage whether or not it would be worth my time, and all praised Conquer Radio Frequency: A Multimedia Conceptual Guide to RF Microwave Engineering, Based on AWR Microwave Office Video Tutorials:

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RFBy Joshua BarleyDr Fornetti's book and accompanying tutorial DVD is aimed to help people grasp the fundamental concepts in the field of radio frequency and microwave engineering. The text is well constructed and makes large use of visual content which helps elucidate and clarify the principles being taught. In the text, Dr Fornetti explains core concepts by taking the reader through step by step, using both illustrations and graphs, what is occurring in the physical process being described. It is clear that Dr Fornetti has gone to great lengths to remove the bafflement often experienced by people learning about radio frequency and microwave engineering for the first time. In the text Dr Fornetti often poses questions which typical readers might well ask themselves, and goes on to provide clear explanations, often making clever use of analogies, as well as using clear illustrations. He also gives some historical background where necessary, e.g. The explanation of why 50 Ohm systems are used is provided. The video tutorials are screen captures of computer simulations being performed interspersed with illustrations where appropriate to help clarify the concepts. Dr. Fornetti provides running commentary, including explanations of what he is doing in the simulation and the theory behind it. The tutorials are a resource which teaches the learner how to use the software and transfer the concepts taught in the text in to practical application by use of computer simulation. Dr Fornetti's dual media approach is unique and helps the reader create a deep intuitive understanding of the concepts covered in the material. The combination of the video content on his YouTube channel and his book and DVD resource make learning radio about frequency accessible and achievable for the curious layman and provides a thorough grounding of core concepts needed for the engineering student. For me it was a great way to learn AWR Microwave Office, and specifically, using Microwave Office to perform conjugate impedance matching on transistor amplifiers, which was required for my university course in microwave engineering. 1 of 2 people found the following review helpful. A Great Book By Lawrence S. Cohen Very well written and understandable. The author considers the pitfalls of learning transmission lines for the first time. Highly recommended for new engineers as well as seasoned professionals in need of review. 0 of 0 people found the following review helpful. the layout looks like a 12yo first experience with Word and consistency is ... By Customer Looked through the first 50 pages of it on Google Books. As an EE-student I am sorry for the students of this lecturer. This book is full of errors, the layout looks like a 12yo first experience with Word and consistency is a mess. I found a review of this book, explaining the author of his misdoings. Link here: [...] quote: This section confuses the student beyond measure, presents a wrong approach to problem solving, shows a wrong derivation of equations, arrives to a wrong final result, and wrong conclusion. The author shows a complete lack of understanding about the basics of electromagnetics. It contains 3 wrong equations, and wrong explanations. This is a grave error cluster that teaches the student pseudoscience. It also proves that the authors knowledge of electromagnetics is severely lacking.

This material, which includes a full-colour textbook and over 12 hours of video tutorials (in mp4 format on enclosed DVD-R), provides a comprehensive guide for the RF and Microwave engineering student or junior professional. It allows the reader to achieve a good understanding of the foundation theory and concepts behind high frequency circuits as well illustrating the most common design and simulation techniques for passive and active RF circuits. A preview of the textbook, a comprehensive description of the content of the video tutorials and sample video tutorials are available on the Explore RF website <http://explorerf.com/conquer-radio-frequency.html>