



# An Introduction to Radio Frequency Engineering

*By Christopher Coleman*

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## **An Introduction to Radio Frequency Engineering** By Christopher Coleman

Originally published in 2004, this book provides a detailed introduction to radio frequency (RF) engineering, using a straightforward and easily understood approach combined with numerous worked examples, illustrations and homework problems. The author focuses on minimising the mathematics needed to grasp the subject while providing a solid theoretical foundation for the student. Emphasis is also placed on the practical aspects of radio engineering. The book provides a broad coverage of RF systems, circuit design, antennas, propagation and digital techniques. It will provide an excellent introduction to the subject for graduate students, researchers and practising engineers.

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#### Review

"His approach gives readers a strong theoretical foundation by using a minimum of mathematics and numerous examples, illustrations, and homework problems. This well-written book is intended for upper-level electrical engineering undergraduates, graduate students, researchers, and practicing engineers. Recommended for libraries associated with electrical engineering academic programs. Highly recommended." F.A. Cassara, Polytechnic University, CHOICE

#### About the Author

Dr Chris Coleman is an Associate Professor of Electrical and Electronic Engineering at The University of Adelaide. He has held research posts at Imperial College, London and the University College of Wales, and faculty positions at the University of Nottingham, UK, and the University of Wollongong, Australia. He is a member of The Centre for High Performance Integrated Technologies & Systems at Adelaide, and a member of the IEEE.

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