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By Don Torrieri



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This book provides a concise but lucid explanation of the fundamentals of spread-spectrum systems with an emphasis on theoretical principles. Throughout the book, learning is facilitated by many new or streamlined derivations of the classical theory. Problems at the end of each chapter are intended to assist readers in consolidating their knowledge and to provide practice in analytical techniques. The choice of specific topics is tempered by the author's judgment of their practical significance and interest to both researchers and system designers.

The evolution of spread spectrum communication systems and the prominence of new mathematical methods in their design provided the motivation to undertake this new edition of the book. This edition is intended to enable readers to understand the current state-of-the-art in this field. More than 20 percent of the material in this edition is new, including a chapter on systems with iterative channel estimation, and the remainder of the material has been thoroughly revised.



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Editorial Review

Review

Aus den Rezensionen zur 2. Auflage:

“... Die 2. Ausgabe dieses von manchen als Standardwerk bezeichneten Buchs wurde um rund 20 % erweitert und aktualisiert. ... Ein umfassendes, mathematisch anspruchsvolles und sprachlich klares Buch.“
(in: Bulletin SEV/VSE, 2012, Issue 10, S. 76)

From the Back Cover

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About the Author

Don Torrieri, PhD, leading Army researcher with the US Army Research Laboratory in Maryland

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