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Altri autori (Persone)	MarkarianGarik PickavanceKeith <1970->
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Nota di bibliografia	Includes bibliographical references (p. [229]-246) and index.
Nota di contenuto	An Introduction to Television -- Basic Principles of Digital TV Broadcasting -- Modulation Techniques in Digital TV Broadcasting -- Error Control Coding in Digital TV Broadcasting -- Existing Standards for Digital TV Broadcasting -- Future Trends in Digital Television.
Sommario/riassunto	Coding and Modulation for Digital Television presents a comprehensive description of all error control coding and digital modulation techniques used in Digital Television (DTV). This book illustrates the relevant elements from the expansive theory of channel coding to how the transmission environment dictates the choice of error control coding and digital modulation schemes. These elements are presented in such a way that both the 'mathematical integrity' and 'understanding for engineers' are combined in a complete form and supported by a number of practical examples. In addition, the book contains descriptions of the existing standards and provides a valuable source of corresponding references. Coding and Modulation for Digital Television also features a description of the latest techniques, providing the reader with a glimpse of future digital broadcasting.

These include the concepts of soft-in-soft-out decoding, turbo-coding and cross-correlated quadrature modulation, all of which will have a prominent future in improving efficiency of the next generation DTV systems. Coding and Modulation for Digital Television is essential reading for all undergraduate and postgraduate students, broadcasting and communication engineers, researchers, marketing managers, regulatory bodies, governmental organizations and standardization institutions of the digital television industry.
