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Autore	Sayed Ali H
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### Sommario/riassunto

Adaptive filtering is a topic of immense practical and theoretical value, having applications in areas ranging from digital and wireless communications to biomedical systems. This book enables readers to gain a gradual and solid introduction to the subject, its applications to a variety of topical problems, existing limitations, and extensions of current theories. The book consists of eleven parts, each part containing a series of focused lectures and ending with bibliographic comments, problems, and computer projects with MATLAB solutions.

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