Digital Filters: Principles and Applications with MATLAB
Fred Taylor

**DESCRIPTION**

The book is not an exposition on digital signal processing (DSP) but rather a treatise on digital filters. The material and coverage is comprehensive, presented in a consistent that first develops topics and subtopics in terms it their purpose, relationship to other core ideas, theoretical and conceptual framework, and finally instruction in the implementation of digital filter devices. Each major study is supported by Matlab-enabled activities and examples, with each Chapter culminating in a comprehensive design case study.

**ABOUT THE AUTHOR**

FRED J. TAYLOR is co-founder and Chairman of the Board of The Athena Group. He is also Professor of Electrical Engineering and Computer and Information Science at the University of Florida. The author of ten books and holder of four patents, Dr. Taylor serves as a consultant to government agencies, industries, and Boards of Higher Education as well as the National Research Council.

**FEATURES**

- The book offers solution implementations for digital filter designers
• MATLAB files are included

• Each chapter includes a comprehensive design case study

• The solution implementations presented in this book is applicable to wide range of applications including communications, control, biomedicine, transportation, military, audio, video, security, entertainment, etc.

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