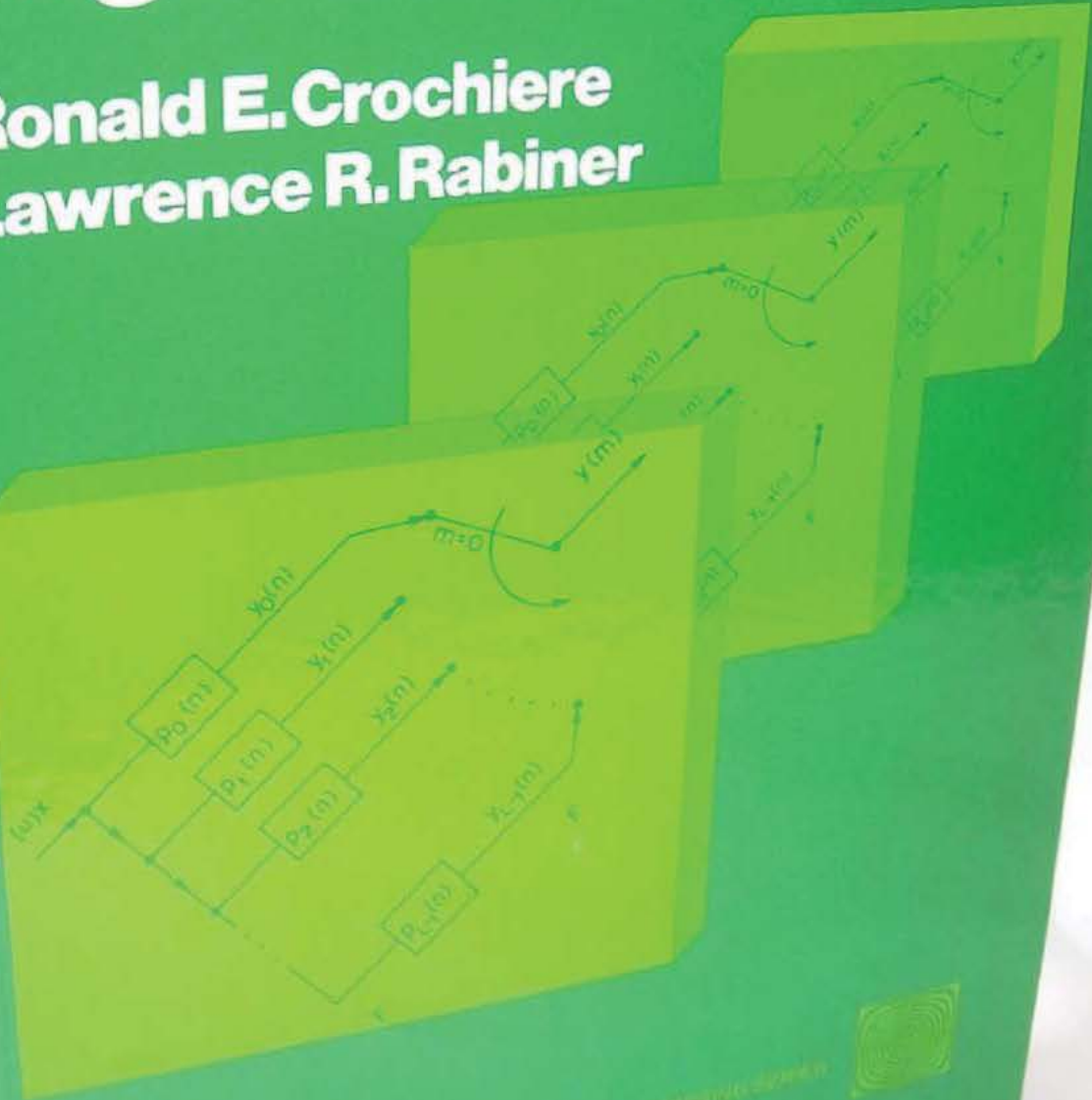


# Multirate Digital Signal Processing

Ronald E. Crochiere  
Lawrence R. Rabiner



Implementing Multirate Digital Signal Processing Systems  
Using the Discrete-Time Fourier Transform



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# MULTIRATE DIGITAL SIGNAL PROCESSING

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To our families,  
*Gail and Ryan*  
and  
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for their love, encouragement, and support.

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