## Table of Contents

I. Introduction Alan V. Oppenheim/Ronald W. Schafer	1
2. Discrete-Time Signals and Systems Alan V. Oppenheim/Ronald W. Schafer	11
3. The z-Transform Alan V. Oppenheim/Ronald W. Schafer	105
<b>4. Sampling of Continuous-Time Signals</b> Alan V. Oppenheim/Ronald W. Schafer	163
5. Transform Analysis of Linear Time-Invariant Systems Alan V. Oppenheim/Ronald W. Schafer	287
<b>6.</b> Structures for Discrete-Time Systems Alan V. Oppenheim/Ronald W. Schafer	391
7. Filter Design Techniques Alan V. Oppenheim/Ronald W. Schafer	517
<b>8. The Discrete Fourier Transform</b> Alan V. Oppenheim/Ronald W. Schafer	651
9. Computation of the Discrete Fourier Transform Alan V. Oppenheim/Ronald W. Schafer	747
10. Fourier Analysis of Signals Using the Discrete Fourier Transform Alan V. Oppenheim/Ronald W. Schafer	827
<b>11. Parametric Signal Modeling</b> Alan V. Oppenheim/Ronald W. Schafer	931
12. Discrete Hilbert Transforms Alan V. Oppenheim/Ronald W. Schafer	985
Appendix: Random Signals Alan V. Oppenheim/Ronald W. Schafer	1025

## Appendix: Continuous-Time Filters Alan V. Oppenheim/Ronald W. Schafer

Index

1039 1047