

Iz knjige "The Scientist and Engineer's Guide to Digital Signal Processing" čija se poglavlja mogu besplatno preuzeti sa <http://dspguide.com/> na predavanjima su obrađena sledeća poglavlja (podebljani naslovi):

FOUNDATIONS

- 1. The Breadth and Depth of DSP**
2. Statistics, Probability and Noise
- 3. ADC and DAC**
- 4. DSP Software**

FUNDAMENTALS

- 5. Linear Systems**
- 6. Convolution**
7. Properties of Convolution
8. The Discrete Fourier Transform
9. Applications of the DFT
10. Fourier Transform Properties
11. Fourier Transform Pairs
12. The Fast Fourier Transform
- 13. Continuous Signal Processing**

DIGITAL FILTERS

- 14. Introduction to Digital Filters**
- 15. Moving Average Filters**
- 16. Windowed-Sinc Filters**
17. Custom Filters
18. FFT Convolution
- 19. Recursive Filters**
20. Chebyshev Filters
- 21. Filter Comparison**

APPLICATIONS

22. Audio Processing
23. Image Formation and Display
24. Linear Image Processing
25. Special Imaging Techniques
26. Neural Networks (and more!)
27. Data Compression

COMPLEX TECHNIQUES

28. Complex Numbers

- 29. The Complex Fourier Transform
- 30. The Laplace Transform
- 31. The z-Transform

Study Guide

Glossary

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