

2.5 31625 AMPLIFIER DESIGN

1. The Necessity for Amplifiers
2. Types and Descriptions of Amplifiers
3. Amplifier Transfer Function
4. Feedback Theory
5. Operational Amplifiers
6. Active Filters Employing Operational Amplifiers
7. Power Amplifiers
8. Protection Mechanisms
9. High-Power Amplifiers
10. High-Power Analog Amplifiers
11. Switch Mode Power Supplies
12. Technological Innovation
13. Class D in Full Bloom
14. Signal Processing in Power Amplifiers
15. Computer-Controlled Power Amplifiers and Systems.

Reference Books:

1. Paul Horowitz and Winfield Hill, the Art of Electronics, 2nd ed. Cambridge: Cambridge University Press, 1989.
2. Don Davis and Eugene Patronis, Jr., Sound System Engineering, 3rd ed. Burlington, MA: Focal Press, 2006.