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Engineering : Circuits and Systems

Senani, R., Bhaskar, D.R., Singh, A.K., Singh, V.K.

Current Feedback Operational Amplifiers and Their Applications

- Provides a state-of-the-art survey of current feedback operational amplifiers and their applications in analog signal processing and signal generation.
- Includes comprehensive coverage of commercially available CFOAs and recent advances made in the design of Bipolar and CMOS architectures of CFOAs.
- Includes a repertoire of (over 200) application circuits using CFOAs (covering both linear and non-linear applications), with commentary on the relative merits and demerits of the various configurations.

This book describes a variety of current feedback operational amplifier (CFOA) architectures and their applications in analog signal processing/generation. Coverage includes a comprehensive survey of commercially available, off-the-shelf integrated circuit CFOAs, as well as recent advances made on the design of CFOAs, including design innovations for bipolar and CMOS CFOAs. This book serves as a single-source reference to the topic, as well as a catalog of over 200 application circuits which would be useful not only for students, educators and researchers in apprising them about the recent developments in the area but would also serve as a comprehensive repertoire of useful circuits for practicing engineers who might be interested in choosing an appropriate CFOA-based topology for use in a given application.

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