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Titolo	Design Criteria for Low Distortion in Feedback Opamp Circuits [[electronic resource] /] by Bjørnar Hernes, Trond Sæther
Pubbl/distr/stampa	Boston, MA : , : Springer US, , 2003
ISBN	0-306-48013-1
Descrizione fisica	1 online resource (XXV, 160 p.)
Collana	The International Series in Engineering and Computer Science, Analog Circuits and Signal Processing, , 0893-3405 ; ; 720
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Soggetti	Engineering Electrical engineering Electronic circuits Circuits and Systems Electrical Engineering Electronic books.
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Nota di contenuto	From the contents: List of Figures -- List of Tables -- Symbols and Abbreviations -- Foreword -- Preface -- Acknowledgement -- 1: Introduction -- 2: Specification and Analysis of Nonlinear Circuits -- 3: Biasing and Opamp Modeling for Low Distortion -- 4: Nonlinear Analyzes of Feedback Miller Opamp -- 5: Opamp Circuits with High Linearity Performance -- 6: Conclusions and Discussions -- Appendix A: Transistor Model. Appendix B: Closed Loop Opamp Transfer Functions. Appendix C: Open Loop Opamp Transfer Functions.
Sommario/riassunto	Broadband opamps for multi-channel communication systems have strong demands on linearity performance. When these opamps are integrated in deep sub-micron CMOS technologies, the signal-swing has to occupy a large part of the rather low supply voltage to maintain the signal-to-noise-ratio. To obtain opamps with low distortion it is necessary to do a thorough analysis of the nonlinear behaviour of such circuits and this is the main subject of Design Criteria for Low Distortion in Feedback Opamp Circuits. The biasing of each transistor in the circuit is a major issue and is addressed in this work. It is

important to bias the transistor such that the distortion is low and stable in the entire range of its terminal voltages. This will ensure high linearity and robustness against variations in circuit conditions such as power supply voltage, bias current and process variations. Design Criteria for Low Distortion in Feedback Opamp Circuits is written for .

2. Record Nr.	UNINA9910786618803321
Autore	Vroon Donald <1942->
Titolo	Classical music in a changing culture : essays from the American Record Guide / / Donald Vroon
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Descrizione fisica	1 online resource (237 p.)
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Contents; Introduction; Elitism; Education and Culture; Don't Educate Us; Entertain Us; Fun; Fads and Trends; The Romantic Art; Orchestra Finances; The New and News; Contemporary Music; Airheads; Marketing and Image; Marketing Idiocy; Marketing and Its Discontents; Seeking Out the Best Things in Life; Multiculturalism; Later: Black Musicians and Marketing; Attracting a Young Crowd; Classical, Rock, and Youth; The Land of the Obvious; On Spiritual Matters; Attentiveness and Judgment; Attentiveness II; Absorption; Feeling; Does Quality Have a Future?; Performance Practice Aesthetics and Criticism PPP and True Authenticity; PPP II; Cultural Suicide; Cultural Suicide II; The Golden Age; The Nostalgia Trap; Surtitles; The Death of Service; Distribution; Browsing; Is the Internet the End of Records?; Index; About the Author
Sommario/riassunto	In Classical Music in a Changing Culture, Donald Vroon takes no

prisoners in assessing the challenges and failures and possible successes that confront America's future as a nation of music listeners. Vroon delves into a variety of topics: orchestra finances, contemporary music, classical music marketing, attracting young crowds, musical aesthetics, the future of classical music, the sale and distribution of music in the modern era; the decline of American culture and its causes; the role of misguided ideologies that affect Ame
