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| 1. Record Nr.           | UNINA9910974282903321  |
| Titolo                  | Op Amp applications handbook / / Walt Jung, editor ; with the technical staff of Analog Devices  |
| Pubbl/distr/stampa      | Burlington, MA, : Newnes, c2005  |
| ISBN                    | 9781417552727<br>9786611020170<br>9781281020178<br>1281020176<br>9780080491998<br>0080491995   |
| Edizione                | [1st edition]  |
| Descrizione fisica      | 1 online resource (897 p.)   |
| Collana                 | Analog Devices series  |
| Classificazione         | 53.53  |
| Altri autori (Persone)  | JungWalter G   |
| Disciplina              | 621.39/5   |
| Soggetti                | Operational amplifiers<br>Amplifiers (Electronics)   |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Description based upon print version of record.  |
| Nota di bibliografia    | Includes bibliographical references and index.   |
| Nota di contenuto       | Front Cover; Op Amp Applications Handbook; Copyright Page; Contents; Foreword; Preface; Acknowledgments; Op Amp History Highlights; Chapter 1. Op Amp Basics; Section 1-1: Introduction; Section 1-2: Op Amp Topologies; Section 1-3: Op Amp Structures; Section 1-4: Op Amp Specifications; Section 1-5: Precision Op Amps; Section 1-6: High Speed Op Amps; Chapter 2. Specialty Amplifiers; Section 2-1: Instrumentation Amplifiers; Section 2-2: Programmable Gain Amplifiers; Section 2-3: Isolation Amplifiers; Chapter 3. Using Op Amps with Data Converters; Section 3-1: Introduction Section 3-2: ADC/DAC SpecificationsSection 3-3: Driving ADC Inputs; Section 3-4: Driving ADC/DAC Reference Inputs; Section 3-5: Buffering DAC Outputs; Chapter 4. Sensor Signal Conditioning; Section 4-1: Introduction; Section 4-2: Bridge Circuits; Section 4-3: Strain, Force, Pressure and Flow Measurements; Section 4-4: High Impedance Sensors; Section 4-5: Temperature Sensors; Chapter 5. Analog Filters; Section 5-1: Introduction; Section 5-2: The Transfer Function; Section 5-3: Time Domain Response; Section 5-4: Standard Responses; Section |

5-5: Frequency Transformations

Section 5-6: Filter RealizationsSection 5-7: Practical Problems in Filter Implementation; Section 5-8: Design Examples; Chapter 6. Signal Amplifiers; Section 6-1: Audio Amplifiers; Section 6-2: Buffer Amplifiers and Driving Capacitive Loads; Section 6-3: Video Amplifiers; Section 6-4: Communication Amplifiers; Section 6-5: Amplifier Ideas; Section 6-6: Composite Amplifiers; Chapter 7. Hardware and Housekeeping Techniques; Section 7-1: Passive Components; Section 7-2: PCB Design Issues; Section 7-3: Op Amp Power Supply Systems; Section 7-4: Op Amp Protection  
Section 7-5: Thermal ConsiderationsSection 7-6: EMI/RFI Considerations; Section 7-7: Simulation, Breadboarding and Prototyping; Chapter 8. Op Amp History; Section 8-1: Introduction; Section 8-2: Vacuum Tube Op Amps; Section 8-3: Solid-State Modularand Hybrid Op Amps; Section 8-4: IC Op Amps; Index

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## Sommario/riassunto

Operational amplifiers play a vital role in modern electronics design. The latest op amps have powerful new features, making them more suitable for use in many products requiring weak signal amplification, such as medical devices, communications technology, optical networks, and sensor interfacing. The Op Amp Applications Handbook may well be the ultimate op amp reference book available. This book is brimming with up-to-date application circuits, valuable design tips, and in-depth coverage of the latest techniques to simplify op amp circuit designs, and improve their performance. As an

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