

Low-Voltage Low-Power CMOS Current Conveyors - 9780306487200 - Giuseppe Ferri, Nicola C. Guerrini - 2007 - 220 pages - Springer Science & Business Media, 2007

Low-voltage low-power CMOS current-conveyors. July 2003. Publisher: Kluwer Academic Publisher. Numerous new topologies of current conveyor have evolved with time like the dual output current conveyor (DOCCII) [12], inverting current conveyor (ICCI) [12], current conveyor transconductance amplifier (CCTA) [12], dual x current conveyor (DXCCII) [12,14] etc. The DXCCII is a versatile active block and it is found suitable for design of minimum components filters and oscillator structures [11],[13][14]. Design of Ultra Low Voltage Low Power DXCCII for Analog Signal Processing. Conference Paper. Aug 2018. All Departments Audible Books & Originals Alexa Skills Amazon Devices Amazon Warehouse Appliances Apps & Games Arts, Crafts & Sewing Automotive Parts & Accessories Baby Beauty & Personal Care Books CDs & Vinyl Cell Phones & Accessories Clothing, Shoes & Jewelry Women Men Girls Boys Baby Under \$10 Amazon Explore Amazon Pantry Collectibles & Fine Art Computers Courses Credit and Payment Cards Digital Educational Resources Digital Music Electronics Garden & Outdoor Gift Cards. Find all the books, read about the author, and more. See search results for this author. Are you an author? The outline of Low voltage low power CMOS current conveyors is the following. In the first chapter the authors talk about the current-mode approach and a brief history of the first and second generation CC. Then the second generation current-conveyor (CCII) will be considered as a building block in the main active feedback devices and in the implementation of simple analog functions as an alternative to OA. In the second chapter the design and characteristics of CCII topologies are described together with a further look into CCII modern solutions and future trends. Chapter 3 deals with lo... Low voltage low power CMOS current conveyors is a valuable reference source for current-mode and CCII analog integrated circuit designers and can be considered also a suitable text for advance courses on microelectronics. This page intentionally left blank. Table of Contents Abstract. v. 1 INTRODUCTION 1.1 The current mode approach: brief history of current conveyors. 1.1.1 1.1.2. The current-mode approach Brief history of first and second current conveyors. 1.2 The second generation current conveyor (CCII) as building block. 1.2.1 1.2.2 1.2.3. The outline of Low voltage low power CMOS current conveyors is the following. In the first chapter the authors talk about the current-mode approach and a brief history of the first and second generation CC. Then the second generation current-conveyor (CCII) will be considered as a building block in the main active feedback devices and in the implementation of simple analog functions as an alternative to OA. The first stage of CFOA is the current-conveyor (CC), which is the main subject of this book. As a matter of facts, CC can be considered the basic current-mode building block because all the active devices can be made of a suitable connection of one or two CCIs.