1. Record Nr. UNINA9910461853203321

Autore	Nelson Darby
Titolo	For love of lakes [[electronic resource] /] / Darby Nelson
Pubbl/distr/stampa	East Lansing, : Michigan State University Press, c2012
ISBN	1-60917-331-7
Descrizione fisica	1 online resource (269 p.)
Collana	The Dave Dempsey environmental series
Disciplina	551.48/2
Soggetti	Lakes - United States Lake ecology - United States Water - Pollution - United States Human ecology - United States Electronic books.
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.
Nota di contenuto	Contents; Acknowledgments; Introduction; Landscapes; Lake Magic; Limnos I-Walden Pond, Massachusetts; Deep Heart's Core; August Epiphany; Agassiz's Gift; On Seeing; Hastening Slowly; Lakescapes; Edges; Lady Daphnia's World; Limnos II-Fox Lake, Illinois; Discovering Eden; Lake Agassiz's Child; Seeking Hard Bottom; Mindscapes; Blue-Green Nemesis; Limnos III-Lake Mendota, Wisconsin; Diamond's Dot; Limnos IV-Cedar Bog Lake, Minnesota; Thinking Like a Tullibee; Riding the West Wind; Futurescapes; Shield Lakes Icon; The Future in a Raindrop; Limnos V-Mirror Lake, New Hampshire; Lake of Dreams Henry's MirrorLakescapes of the Mind; Darkhouse; Selected Bibliography
Sommario/riassunto	America has more than 130,000 lakes of significant size. Ninety percent of all Americans live within fifty miles of a lake, and our 1.8 billion trips to watery places make them our top vacation choice. Yet despite this striking popularity, more than 45 percent of surveyed lakes and 80 percent of urban lakes do not meet water quality standards. For Love of Lakes weaves a delightful tapestry of history, science, emotion, and poetry for all who love lakes or enjoy nature writing. For Love of Lakes is an affectionate account documenting our species' long relationship with lakes-their glacial or

2. Record Nr. UNINA9910299752003321

Autore	Bolatkale Muhammed
Titolo	High Speed and Wide Bandwidth Delta-Sigma ADCs / / by Muhammed Bolatkale, Lucien J. Breems, Kofi A. A. Makinwa
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-05840-1
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (135 p.)
Collana	Analog Circuits and Signal Processing, , 1872-082X
Disciplina	621.39814
Soggetti	Electronic circuits Signal processing Image processing Speech processing systems Electronics Microelectronics Circuits and Systems Signal, Image and Speech Processing Electronics and Microelectronics, Instrumentation
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 at the end of each chapters and index.
Nota di contenuto	Introduction.- Continuous-Time Delta-Sigma Modulator.- Continuous-Time Delta-Sigma Modulators at High Sampling Rates -- A 4GHz Continuous-Time ADC -- A 2GHz Continuous-Time ADC with Dynamic Error Correction.- Conclusions -- Appendices.
Sommario/riassunto	This book describes techniques for realizing wide bandwidth (125MHz) over-sampled analog-to-digital converters (ADCs) in nanometer-CMOS processes. The authors offer a clear and complete picture of system level challenges and practical design solutions in high-speed Delta-Sigma modulators. Readers will be enabled to implement ADCs as continuous-time delta-sigma (CT) modulators, offering simple resistive inputs, which do not require the use of power-hungry input buffers, as well as offering inherent anti-aliasing, which simplifies system integration. The authors focus on the design of high speed and

wide-bandwidth Ms that make a step in bandwidth range which was previously only possible with Nyquist converters. More specifically, this book describes the stability, power efficiency, and linearity limits of Ms, aiming at a GHz sampling frequency. • Provides overview of trends in Wide Bandwidth and High Dynamic Range analog-to-digital converters (ADCs); • Enables the design of a wide bandwidth, high dynamic range modulator with state-of-the-art power efficiency; • Includes introduction to Continuous-Time Delta-Sigma Modulators and its system level modeling; • Explains issues relating to stability of Continuous-Time Delta-Sigma Modulators; • Includes discussion of system level non-idealities in Continuous-Time Delta-Sigma Modulators; • System level design of CT modulators at GHz sampling frequencies; • Practical implementation details of high speed CT ADCs; • Overview of static and dynamic error correction techniques in ADCs; • Dynamic error correction techniques that are suitable for high speed CT ADCs.