

Download Look Ahead Based Sigma Delta Modulation

High resolution analog-to-digital conversion and digital-to-analog conversion is often realized with the use of a Sigma-Delta Modulator (SDM). The sigma-delta modulation process, although very non-linear when a 1-bit quantizer is used, is nowadays well understood and can be made to deliver a very high signal conversion quality. Erwin Janssen NXP Semiconductors, Central R&D Mixed Signal Circuits & Systems High Tech Campus, Building 32 Eindhoven 5656 AE The Netherlands erwin.e.janssen@nxp.com The aim of this book is to expand and improve upon the existing knowledge on discrete-time 1-bit look-ahead sigma-delta modulation in general, and to come to a solution for the above mentioned specific issues arising from 1-bit sigma-delta modulation for SA-CD. In order to achieve this objective an By Erwin Janssen. ISBN-10: 940071386X. ISBN-13: 9789400713864. High answer analog-to-digital conversion and digital-to-analog conversion is usually discovered with using a Sigma-Delta Modulator (SDM).