1. Record Nr.   UNINA9910872783003321

   Titolo   1996 IEEE International Symposium on Circuits and Systems

   Pubbl/distr/stampa   [Place of publication not identified], : IEEE, 1996

   Descrizione fisica   1 online resource (2500 pages)

   Disciplina   621.3815

   Soggetti   Electronic circuits

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico Monografia

   Note generali   Bibliographic Level Mode of Issuance: Monograph

   Sommario/riassunto   The development, to date, of the bounds for the outputs of the integrators of second order sigma-delta modulators has relied on a mixture of theoretical analysis and extensive use of simulation. This paper presents a new approach that uses a combination of geometrical techniques and the characterization of the trajectories of the system in state space. With this approach it is possible to develop flexible but tight results for the standard second order modulator with constant input, without the need for simulation. This approach is flexible and can be adapted for other second order architectures.