International Journal of Engineering Sciences Paradigms and Researches (IJESPR) (Vol. 15, Issue 01) and (Publishing Month: July 2014) (An Indexed, Referred and Impact Factor Journal) ISSN (Online): 2319-6564 www.ijesonline.com

Abstract Details

Title: Design and Analysis of CMOS Telescopic OTA for 180nm Technology

Author: Jamuna G and Siva S Yellampalli

Abstract: In this paper, different types of OTA topologies are compared for their suitability to be used in Sigma-Delta modulator. The most suitable OTA for Sigma-Delta modulator, telescopic OTA is designed and implemented. The designed telescopic OTA has gain of 52.788db, phase margin of 59.44 deg, power consumption of 61.49μ W at a power supply of 3V.

Keywords: Telescopic OTA, Single stage OTA, two stage OTA, folded cascode OTA.