

عنوان مقاله:

Design of an Ultra Low Power GDI Based Bubble Error Correcting Thermometer to Binary Encoder for Flash ADC Applications

محل انتشار:

چهارمین کنفرانس بین المللی مهندسی برق و کامپیوتر (سال: 1395)

تعداد صفحات اصل مقاله: 6

نویسندگان:

Hossein Jalali Rishehri - Graduate Student, ECE Department, Shahid Beheshti University, Tehran, Iran

Alireza Hassanzadeh - ECE Department, Shahid Beheshti University, Tehran, Iran

خلاصه مقاله:

In this paper a low power GDI based bubble errors correction circuit has been proposed. Bubble errors are fatal sources of corrupting the digital output data in flash ADCs. A bubble error correction (BEC) topology has been modified for low power applications. The circuit has been simulated using HSPICE and TSMC 90nm technology parameters. The total power dissipation of the circuit is 1nW from 1V supply voltage with 176ps of propagation delay

کلمات کلیدی:

Bubble error correction, Low power, ADC, GDI

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/608970>

