

عنوان مقاله:

Bulk Driven Indirect Feedback Compensation Technique for Low-Voltage Applications

محل انتشار:

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خلاصه مقاله:

A new technique for indirect miller compensation is proposed which uses the bulk as an input to reduce the device count for creating necessary feedback signal in the indirect compensation method. This technique is useful for low voltage and low power amplifiers in submicron technologies and also it shows a greater bandwidth with respect to the other indirect techniques due to minimum internal nodes. The idea is simulated in 0.18um CMOS technology. Simulation shows the dc gain of 69dB and unity gain bandwidth of 47MHz for a 20pF load, 1.8-V power supply and 1.17mW power consumption

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/208809>

