

## عنوان مقاله:

Design And Analysis of A Power Efficient Cascode-Compensated Amplifier

## محل انتشار:

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## خلاصه مقاله:

In the paper, we present the design focused analysis of a power efficient cascode-compensated amplifier. The analysis, presented here, is much more intuitive than the reported work so far. Based on this analysis, an amplifier in UMC 0.18  $\mu$ m technology is designed. Cascode compensation along with other power saving techniques results in a power efficient amplifier that achieves a relatively high figure of merit (1927MHz.pF/mW). The designed amplifier is compared with the state of the art in the literature.

## کلمات کلیدی:

Cascode Compensated Amplifier, Power Efficiency

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/308061>

