

## عنوان مقاله:

The Efficiency of Using Multi-Step Genetic Algorithms for Optimization of Bandgap Reference Circuits

## محل انتشار:

چهاردهمین کنفرانس مهندسی برق ایران (سال: 1385)

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## خلاصه مقاله:

One of the most important requirements in the design of a mixed-mode system is the efficient and if possible automated analog design tool. This is especially true for bandgap reference circuits in which choosing the best device sizes affects the performance magnificently. A multi-step GA for faster optimization of bandgap reference circuits has been proposed here. In order to evaluate the circuit specifications a combination of MATLAB-HSPICE has been used. The simulation results confirm the efficiency of GA in determining the device sizes in a bandgap circuit

## کلمات کلیدی:

Bandgap reference, Automatic analog circuit design, Optimization, Evolutionary algorithms, Genetic algorithms

## لینک ثابت مقاله در پایگاه سیویلیکا:

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