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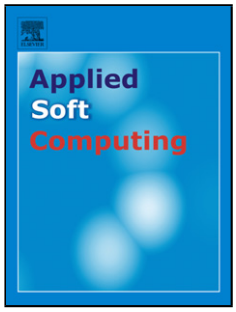

Title: Automatic Design of Analog Electronic Circuits using Grammatical Evolution

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Highlights (maximum 85 characters)

1. A Grammatical Evolution-based approach to analog circuit design is proposed.
2. A novel BNF-Grammar for building analog circuits' netlists is presented.
3. Unlike other approaches, the grammar is oriented to evolve circuit netlists.
4. We evolve seven benchmark circuits and the best fitness results are obtained.
5. The circuits obtained are simpler in four out of the seven circuit analyzed.

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