

Abstracts

The Effectiveness of Four Direct Search Optimization Algorithms

R.W. Rhea. "The Effectiveness of Four Direct Search Optimization Algorithms." 1987 MTT-S International Microwave Symposium Digest 87.2 (1987 Vol. II [MWSYM]): 697-702.

Effective computer circuit simulation programs require efficient optimization routines. This paper describes four different direct search routines beginning with a simple random direct search and concluding with the presented algorithm. The four routines are tested on three different circuits using the same computer circuit simulation program, so that conclusions may be drawn as to the relative effectiveness of each routine.

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