

[Andrei, Neculai](#)

An unconstrained optimization test functions collection. (English) Zbl 1161.90486
[Adv. Model. Optim.](#) 10, No. 1, 147-161 (2008).

Summary: A collection of unconstrained optimization test functions is presented. The purpose of this collection is to give to the optimization community a large number of general test functions to be used in testing the unconstrained optimization algorithms and comparisons studies. For each function we give its algebraic expression and the standard initial point. Some of the test functions are from the CUTE collection established by Bongartz, Conn, Gould and Toint, [1995], others are from Moré, Garbow and Hillstrom, [1981], Himmelblau [1972] or from some other papers or technical reports.

MSC:

[90C30](#) Nonlinear programming

Cited in **170** Documents

Keywords:

[algorithms](#); [comparisons studies](#); [algebraic expression](#); [standard initial point](#)

Software:

[SCALCG](#)

Full Text: [Link](#)