NAME

UREPRT – CUTEr tool to obtain statistics concerning function evaluation and CPU time used.

SYNOPSIS

CALL UREPRT(CALLS, TIME)

DESCRIPTION

The UREPRT subroutine obtains statistics concerning function evaluation and CPU time used for unconstrained or bound-constrained optimization in a standardized format.

ARGUMENTS

The arguments of UREPRT are as follows

CALLS [out] - real array of length 4
gives the number of calls to the problem functions:

CALLS(1): number of calls to the objective function

CALLS(2): number of calls to the objective gradient

CALLS(3): number of calls to the objective Hessian

CALLS(4): number of Hessian times vector products

TIME [out] - real array of length 2:

TIME(1): CPU time (in seconds) for USETUP

TIME(2): CPU time (in seconds) since the end of USETUP.

AUTHORS

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SEE ALSO

CUTEr (and SifDec): A Constrained and Unconstrained Testing Environment, revisited,
N.I.M. Gould, D. Orban and Ph.L. Toint,
ACM TOMS, **29**:4, pp.373-394, 2003.

CUTE: Constrained and Unconstrained Testing Environment, I. Bongartz, A.R. Conn, N.I.M. Gould and Ph.L. Toint, TOMS, **21**:1, pp.123-160, 1995.