NAME

UGR – CUTEr tool to evaluate gradient.

SYNOPSIS

CALL UGR(N, X, G)

DESCRIPTION

The UGR subroutine evaluates the gradient of the objective function of the problem decoded into OUTSDIF.d at the point X, in the case where the only possible constraints are bound constraints.

ARGUMENTS

The arguments of UGR are as follows

N [in] - integer
the number of variables for the problem,

X [in] - real/double precision
an array which gives the current estimate of the solution of the problem,

G [out] - real/double precision
an array which gives the value of the gradient of the objective function evaluated at X.

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.

cgr(3M).