NAME
>   CUTEST_timings – CUTEst tool to find the CPU time used by a CUTEst evaluation subrotine.

SYNOPSIS

>   CALL CUTEST_timings(status, name, time)

>   For real rather than double precision arguments, instead

>   CALL CUTEST_timings_s(...)

>   and for quadruple precision arguments, when available,

>   CALL CUTEST_timings_q(...)

DESCRIPTION
>   The CUTEST_timings subroutine obtains the CPU time used by an individual CUTEst evaluation subrou-
>   tine.

ARGUMENTS
>   The arguments of CUTEST_timings are as follows

>   **status** [out] - integer
>   the outputr status: 0 for a succesful call, 26 for a call to an unknown evaluation routine,

>   **name** [in] - character variable of variable length that either contains
>   the name of a CUTEst subroutine, or one of the words 'start' or 'stop'. Supported values are:

>   'start' starts to record timings for the CUTEst evaluation tools -
>   recordings are initially turned off

>   'stop' pauses the recording until another 'start' occurs

>   name is the name of a CUTEst evaluation tool,
>   where name is one of strings
>   'cutest_ccf', 'cutest_ccfg', 'cutest_ccfsg', 'cutest_cch',
>   'cutest_cchprods', 'cutest_ccifg', 'cutest_ccifsg',
>   'cutest_cdh', 'cutest_cdhc', 'cutest_cdimchp',
>   'cutest_ceh', 'cutest_cfn', 'cutest_cgr',
>   'cutest_cgrdh', 'cutest_chcprod', 'cutest_chprod',
>   'cutest_cifn', 'cutest_cigr', 'cutest_cisgr',
>   'cutest_cidh', 'cutest_cish', 'cutest_cjprod',
>   'cutest_clfg', 'cutest_cofg', 'cutest_cofsg',
>   'cutest_csgr', 'cutest_csgreh', 'cutest_csgrsh',
>   'cutest_csh', 'cutest_cshc', 'cutest_cshcprod',
>   'cutest_cshp', 'cutest_cshprod', 'cutest_csjprod',
>   'cutest_ubandh', 'cutest_udh', 'cutest_ueh',
>   'cutest_ufn', 'cutest_ugr', 'cutest_ugrdh',
>   'cutest_ugreh', 'cutest_ugrsh', 'cutest_uhprod',

'cutest_uofg', 'cutest_ush', 'cutest_ushp' or
'cutest_ushprod',

time [out] - real that gives the recorded time for the named tool
(or 0.0 if name is 'start', 'stop' or an unrecognised tool).

AUTHORS
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SEE ALSO
CUTEst: a Constrained and Unconstrained Testing Environment with safe threads,
   N.I.M. Gould, D. Orban and Ph.L. Toint,
   Computational Optimization and Applications **60**:3, pp.545-557, 2014.

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,
   ACM TOMS, **21**:1, pp.123-160, 1995.

sifdecode(1), cutest(3M), cutest_ccfg(3M), cutest_ccfsg(3M), cutest_cch(3M), cutest_cchprods(3M), cutest_ccifg(3M), cutest_ccifsg(3M), cutest_cdh(3M), cutest_cdhc(3M), cutest_cdimchp(3M), cutest_ceh(3M), cutest_cfn(3M), cutest_cgr(3M), cutest_cgrdh(3M), cutest_chcprod(3M), cutest_chprod(3M), cutest_cifn(3M), cutest_cigr(3M), cutest_cisgr(3M), cutest_cidh(3M), cutest_cish(3M), cutest_cjprod(3M), cutest_clfg(3M), cutest_cofg(3M), cutest_cofsg(3M), cutest_csgr(3M), cutest_csgreh(3M), cutest_csgrsh(3M), cutest_csh(3M), cutest_cshc(3M), cutest_cshcprod(3M), cutest_cshp(3M), cutest_cshprod(3M), cutest_csjprod(3M), cutest_ubandh(3M), cutest_udh(3M), cutest_ueh(3M), cutest_ufn(3M), cutest_ugr(3M), cutest_ugrdh(3M), cutest_ugreh(3M), cutest_ugrsh(3M), cutest_uhprod(3M), cutest_uofg(3M), cutest_ush(3M), cutest_ushp(3M), cutest_ushprod(3M)