NAG Library Function Document

nag_opt_sparse_convex_qp_init (e04npc)

1 Purpose

nag_opt_sparse_convex_qp_init (e04npc) is used to initialize the function
nag_opt_sparse_convex_qp_solve (e04nqc).

2 Specification

#include <nag.h>
#include <nage04.h>

void nag_opt_sparse_convex_qp_init (Nag_E04State *state, NagError *fail)

3 Description

nag_opt_sparse_convex_qp_init (e04npc) initializes the structure state for the function
nag_opt_sparse_convex_qp_solve (e04nqc).

4 References

None.

5 Arguments

1: state – Nag_E04State *  
   Communication Structure
   state contains internal information required for functions in this suite. It must not be modified in
   any way.

2: fail – NagError *  
   Input/Output
   The NAG error argument (see Section 3.6 in the Essential Introduction).

6 Error Indicators and Warnings

NE_ALLOC_FAIL

Dynamic memory allocation failed.
See Section 3.2.1.2 in the Essential Introduction for further information.

NE_BAD_PARAM

On entry, argument <value> had an illegal value.

NE_INTERNAL_ERROR

An internal error has occurred in this function. Check the function call and any array sizes. If the
call is correct then please contact NAG for assistance.

An unexpected error has been triggered by this function. Please contact NAG.
See Section 3.6.6 in the Essential Introduction for further information.
NE_NO_LICENCE

Your licence key may have expired or may not have been installed correctly.
See Section 3.6.5 in the Essential Introduction for further information.

7 Accuracy
Not applicable.

8 Parallelism and Performance
Not applicable.

9 Further Comments
The time taken by nag_opt_sparse_convex_qp_init (e04npc) is negligible.

10 Example
See Section 10 in nag_opt_sparse_convex_qp_solve (e04nqc) and
nag_opt_sparse_convex_qp_option_set_file (e04nrc).