NAG Library Function Document

nag_opt_nlp_init (e04wcc)

1 Purpose
nag_opt_nlp_init (e04wcc) is used to initialize the function nag_opt_nlp_solve (e04wdc).

2 Specification
#include <nag.h>
#include <nage04.h>
void nag_opt_nlp_init (Nag_E04State *state, NagError *fail)

3 Description
nag_opt_nlp_init (e04wcc) initializes the structure state for the function nag_opt_nlp_solve (e04wdc).

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_nlp_init (e04wcc) is negligible.

10 Example
See Section 10 in nag_opt_nlp_solve (e04wdc) and nag_opt_nlp_option_set_file (e04wec).