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_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.

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).