

NAG Library Function Document

nag_glopt_bnd_mcs_option_check (e05jhc)

1 Purpose

nag_glopt_bnd_mcs_option_check (e05jhc) is used to check if you have set an optional argument of nag_glopt_bnd_mcs_solve (e05jbc). The initialization function nag_glopt_bnd_mcs_init (e05jac) **must** have been called before calling nag_glopt_bnd_mcs_option_check (e05jhc).

2 Specification

```
#include <nag.h>
#include <nage05.h>
Integer nag_glopt_bnd_mcs_option_check (const char *optstr,
                                         Nag_E05State *state, NagError *fail)
```

3 Description

nag_glopt_bnd_mcs_option_check (e05jhc) returns 1 if you have previously set the optional argument contained in **optstr**, otherwise it returns 0.

A complete list of optional arguments, their symbolic names and default values is given in Section 12 in nag_glopt_bnd_mcs_solve (e05jbc).

4 References

None.

5 Arguments

- 1: **optstr** – const char * *Input*
On entry: a string identifying an optional argument (as described in Section 12 in nag_glopt_bnd_mcs_solve (e05jbc)).
- 2: **state** – Nag_E05State * *Communication Structure*
state contains information required by other functions in this suite. You must not modify it directly in any way.
- 3: **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.

NE_NOT_INIT

Initialization function nag_glopt_bnd_mcs_init (e05jac) has not been called.

NE_OPT_NOT_READ

The supplied optional argument is invalid. A keyword or keyword combination was not recognized.

7 Accuracy

Not applicable.

8 Parallelism and Performance

Not applicable.

9 Further Comments

None.

10 Example

See Section 10 in nag_glopt_bnd_mcs_optset_file (e05jcc).
