

NAG Library Function Document

nag_read_line (x04bbc)

1 Purpose

nag_read_line (x04bbc) reads a single line from an external file.

2 Specification

```
#include <nag.h>
#include <nagx04.h>
void nag_read_line (Nag_FileID fileid, char *line, Integer linelen,
                   NagError *fail)
```

3 Description

nag_read_line (x04bbc) may be used to read from files opened with nag_open_file (x04acc).

4 References

None.

5 Arguments

- 1: **fileid** – Nag_FileID *Input*
On entry: the identifier of the file to be read from. This must have been returned by a call of nag_open_file (x04acc).
- 2: **line** – char * *Output*
A character buffer of length **linelen**.
On exit: contains a null-terminated character-string read from the file associated with the FileID. If **line** is too small to hold the entire string, excess characters are discarded.
- 3: **linelen** – Integer *Input*
On entry: the size of the character buffer line. If **linelen** ≤ 0 , no characters are read and **line** is unchanged.
- 4: **fail** – NagError * *Input/Output*
The NAG error argument (see Section 2.7 in How to Use the NAG Library and its Documentation).

6 Error Indicators and Warnings

NE_READ_ERROR

Error occurred when reading from FileID $\langle value \rangle$.

7 Accuracy

Not applicable.

8 Parallelism and Performance

nag_read_line (x04bbc) is not threaded in any implementation.

9 Further Comments

None.

10 Example

See Section 10 in nag_open_file (x04acc).
