

# 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**  $\leq 0$ , 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 *<value>*.

### 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).

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