

NAG Toolbox

nag_file_line_write (x04ba)

1 Purpose

nag_file_line_write (x04ba) writes a single formatted record to an external file.

2 Syntax

```
nag_file_line_write(nout, rec)
x04ba(nout, rec)
```

3 Description

nag_file_line_write (x04ba) is used by NAG Library functions to write formatted records to an external file. All formatted output to an external file from NAG Library functions is performed by calls to nag_file_line_write (x04ba).

4 References

None.

5 Parameters

5.1 Compulsory Input Parameters

1: **nout** – INTEGER

The Fortran unit number which identifies the file to be written to. If **nout** < 0 (not a valid Fortran unit number), then no output occurs. Within the NAG Toolbox **nout** is always determined by a call to nag_file_set_unit_error (x04aa) or nag_file_set_unit_advisory (x04ab).

2: **rec** – CHARACTER(*)

A character-string. This is written to the external file as a single record. Trailing blanks are not output, except that if **rec** is entirely blank, a single blank character is output. If the record is printed, the first character is treated as a carriage-control character.

5.2 Optional Input Parameters

None.

5.3 Output Parameters

None.

6 Error Indicators and Warnings

None.

7 Accuracy

Not applicable.

8 Further Comments

None.

9 Example

This example program simply illustrates how a formatted record is output from the NAG Toolbox, by first writing it to the character-string **rec**, used as an internal file, and then passing the character-string to `nag_file_line_write` (x04ba).

9.1 Program Text

```
function x04ba_example
fprintf('x04ba example results\n\n');

nout = nag_int(6);
rec = ' This record was output by X04BAF      ';
x04ba(nout, rec);
```

9.2 Program Results

```
x04ba example results

This record was output by X04BAF
```
