1 Purpose

nag_set_ieee_exception_mode (x07cbc) sets the current IEEE exception halting mode.

2 Specification

```c
#include <nag.h>
#include <nagx07.h>
void nag_set_ieee_exception_mode (const Integer exceptionmode[])
```

3 Description

nag_set_ieee_exception_mode (x07cbc) sets the current IEEE exception halting mode for the three common exceptions: overflow, divide-by-zero and invalid operation.

4 References


5 Arguments

1: `exceptionmode[3]` – const Integer  

On entry: each of the three elements of `exceptionmode` must contain any nonzero value if the corresponding condition should raise an exception, and contain 0 otherwise. `exceptionmode[0]` concerns floating-point overflow, `exceptionmode[1]` concerns floating-point division by zero, and `exceptionmode[2]` concerns floating-point invalid operation.

6 Error Indicators and Warnings

None.

7 Accuracy

Not applicable.

8 Parallelism and Performance

Not applicable.

9 Further Comments

None.

10 Example

See Section 10 in nag_is_finite (x07aac).