nag_get_ieee_exception_mode (x07cac)

1 Purpose
nag_get_ieee_exception_mode (x07cac) gets the current IEEE exception halting mode.

2 Specification
#include <nag.h>
#include <nagx07.h>
void nag_get_ieee_exception_mode (Integer exceptionmode[])

3 Description
nag_get_ieee_exception_mode (x07cac) gets the current IEEE exception halting mode for the three common exceptions: overflow, divide-by-zero and invalid operation.

4 References

5 Arguments
   
   Output
   On exit: each of the three elements of exceptionmode is set to 1 if the corresponding condition will raise an exception, and is set to 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).