NAG Library Function Document
nag_real_smallest_number (X02AKC)

1 Purpose
nag_real_smallest_number (X02AKC) returns the smallest positive floating-point number.

2 Specification
#include <nag.h>
#include <nagx02.h>
double nag_real_smallest_number

3 Description
nag_real_smallest_number (X02AKC) is a constant defined in the C Header file.
nag_real_smallest_number (X02AKC) returns the smallest positive number in the model of floating-point arithmetic described in the x02 Chapter Introduction. The returned value is equal to $b^{\epsilon_{\min} - 1}$, where $b$ is the arithmetic base (see nag_real_base (X02BHC)) and $\epsilon_{\min}$ is the minimum exponent (see nag_real_min_exponent (X02BKC)) in the model.

4 References
None.

5 Arguments
None.

6 Error Indicators and Warnings
None.

7 Accuracy
None.

8 Parallelism and Performance
Not applicable.

9 Further Comments
None.

10 Example
None.