

# NAG Fortran Library Routine Document

## X02ALF

**Note:** before using this routine, please read the Users' Note for your implementation to check the interpretation of *bold italicised* terms and other implementation-dependent details.

### 1 Purpose

X02ALF returns the largest positive model number, i.e.,  $(1 - b^{-p}) \times b^{e_{\max}}$ , where  $b$  is the base,  $p$  is the precision (i.e., the number of significant base-B digits) and  $e_{\max}$  is the maximum exponent.

### 2 Specification

*double precision* FUNCTION X02ALF ( )

### 3 Description

None.

### 4 References

None.

### 5 Parameters

None.

### 6 Error Indicators and Warnings

None.

### 7 Accuracy

None.

### 8 Further Comments

None.

### 9 Example

See Section 9 of the document for X02AJF.

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