

# NAG Library Routine Document

## F06BNF

**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

F06BNF returns the value  $\sqrt{a^2 + b^2}$  via the function name.

### 2 Specification

```
FUNCTION F06BNF (A, B)
REAL (KIND=nag_wp) F06BNF
REAL (KIND=nag_wp) A, B
```

### 3 Description

None.

### 4 References

None.

### 5 Arguments

- |    |                                       |              |
|----|---------------------------------------|--------------|
| 1: | A – REAL (KIND=nag_wp)                | <i>Input</i> |
|    | <i>On entry:</i> the value <i>a</i> . |              |
| 2: | B – REAL (KIND=nag_wp)                | <i>Input</i> |
|    | <i>On entry:</i> the value <i>b</i> . |              |

### 6 Error Indicators and Warnings

None.

### 7 Accuracy

Not applicable.

### 8 Parallelism and Performance

F06BNF is not threaded in any implementation.

### 9 Further Comments

None.

### 10 Example

None.

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