

# NAG Fortran Library Routine Document

## F06GFF (ZCOPY)

**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

F06GFF (ZCOPY) performs the operation

$$y \leftarrow x$$

where  $x$  and  $y$  are  $n$  element complex vectors.

### 2 Specification

```
SUBROUTINE F06GFF (N, X, INCX, Y, INCY)
  INTEGER          N, INCX, INCY
  complex*16     X(*), Y(*)
```

The routine may be called by its BLAS name *zcopy*.

### 3 Description

None.

### 4 References

None.

### 5 Parameters

- |    |   |                     |
|----|---|---------------------|
| 1: | N – INTEGER   | <i>Input</i>        |
|    | <i>On entry:</i> $n$ , the number of elements in $x$ and $y$ .  |                     |
| 2: | X(*) – <b>complex*16</b> array  | <i>Input</i>        |
|    | <i>On entry:</i> the vector $x$ .   |                     |
| 3: | INCX – INTEGER  | <i>Input</i>        |
|    | <i>On entry:</i> the increment in the subscripts of X between successive elements of $x$ .                |                     |
| 4: | Y(*) – <b>complex*16</b> array  | <i>Input/Output</i> |
|    | <i>On entry:</i> an array Y.  |                     |
|    | <i>On exit:</i> the vector $y$ scattered with a stride of INCY. Intermediate elements of Y are unchanged. |                     |
| 5: | INCY – INTEGER  | <i>Input</i>        |
|    | <i>On entry:</i> the increment in the subscripts of Y between successive elements of $y$ .                |                     |

### 6 Error Indicators and Warnings

None.