NAG Fortran Library Routine Document

F06JKF (DZASUM)

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

F06JKF (DZASUM) returns the norm

$$|\mathrm{Re}\, x_1| + |\mathrm{Im}\, x_1| + \cdots + |\mathrm{Re}\, x_n| + |\mathrm{Im}\, x_n|$$

of the n element complex vector x, via the function name.

2 Specification

double precision `FUNCTION F06JKF (N, X, INCX)`

`INTEGER` `N, INCX`
complex*16 `X(*)`

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

3 Description

None.

4 References

None.

5 Parameters

1: N – INTEGER *Input*

On entry: n, the number of elements in x.

2: X$(*)$ – ***complex*16*** array *Input*

On entry: the vector x.

3: INCX – INTEGER *Input*

On entry: the increment in the subscripts of X between successive elements of x.

Constraint: INCX > 0.

6 Error Indicators and Warnings

None.