

NAG Library Routine Document

X06AFF

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

X06AFF returns 1 if called from within an active OpenMP parallel region, and 0 otherwise.

2 Specification

```
FUNCTION X06AFF ( )  
INTEGER X06AFF
```

3 Description

X06AFF, for multi-threaded implementations, returns 1 if called from within an active OpenMP parallel region, and 0 otherwise.

Note that the equivalent OpenMP routine `omp_in_parallel()` returns a logical value.

In serial implementations of the NAG Library this routine will always return 0. See the X06 Chapter Introduction for a discussion of the behaviour of these routines when called in serial.

4 References

OpenMP Specifications <http://openmp.org/wp/OpenMP-Specifications>

Chapman B, Jost G and van der Pas R (2008) *Using OpenMP Portable Shared Memory Parallel Programming* The MIT Press

5 Arguments

None.

6 Error Indicators and Warnings

None.

7 Accuracy

Not applicable.

8 Parallelism and Performance

X06AFF is not threaded in any implementation.

9 Further Comments

None.

10 Example

See Section 10 in X06ADF for a demonstration of how to use X06AFF.
