

NAG Library Routine Document

X06AHF

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

X06AHF returns 1 if nested OpenMP parallelism has been enabled, and 0 otherwise.

2 Specification

```
FUNCTION X06AHF ( )  
INTEGER X06AHF
```

3 Description

X06AHF, for multi-threaded implementations, tests whether the nesting of OpenMP parallel regions has been enabled as if with a call to X06AGF. The return value will be 1 if nesting is enabled or 0 if it is disabled.

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

In serial implementations of the NAG Library X06AHF 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

X06AHF is not threaded in any implementation.

9 Further Comments

None.

10 Example

See Section 10 in X06AGF for a demonstration of how to use X06AHF.
