

NAG Toolbox for MATLAB

x05ba

1 Purpose

x05ba returns the amount of processor time used since an unspecified previous time, via the function name.

2 Syntax

```
[result] = x05ba()
```

3 Description

x05ba returns the number of seconds of processor time used since some previous time. The previous time is system dependent, but may be, for example, the time the current job or the current program started running.

If the system clock of the host machine is inaccessible for any reason, x05ba returns the value zero.

4 References

None.

5 Parameters

5.1 Compulsory Input Parameters

None.

5.2 Optional Input Parameters

None.

5.3 Input Parameters Omitted from the MATLAB Interface

None.

5.4 Output Parameters

1: **result** – double scalar

The result of the function.

6 Error Indicators and Warnings

None.

7 Accuracy

The accuracy of the value returned depends on the accuracy of the system clock on the host machine.

8 Further Comments

Since the value returned by x05ba is the amount of processor time since some unspecified earlier time, no significance should be placed on the value other than as a marker to be compared with some later figure

returned by x05ba. The amount of processor time that has elapsed between two calls of x05ba can be simply calculated as the earlier value subtracted from the later value.

9 Example

```
[result] = x05ba()
```

```
result =  
    2.6276
```
