

NAG Toolbox for MATLAB

g05cc

1 Purpose

g05cc sets the seeds used by the generator mechanism (see the G05 Chapter Introduction) to a non-repeatable initial value. g05cc is for use only with the group of functions g05ca–g05hd.

2 Syntax

g05cc

3 Description

g05cc sets the internal seeds used by the generator mechanism (see the G05 Chapter Introduction) to values calculated from the setting of the real-time clock.

This function will yield different subsequent sequences of random numbers in different runs of the calling program. It should be noted that there is no guarantee of statistical properties between sequences, only within sequences.

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

None.

6 Error Indicators and Warnings

None.

7 Accuracy

Not applicable.

8 Further Comments

None.

9 Example

```
g05za('O');  
g05cc();  
for i=1:5  
    x = g05ca();  
    fprintf('%16.4f\n', x);  
end
```

```
0.4991  
      0.0275  
      0.6985  
      0.3849  
      0.5252
```