NAG Toolbox

nag_math_euler (x01ab)

1 Purpose

nag_math_euler (x01ab) returns the numerical value of γ (Euler's constant).

2 Syntax

```
[result] = nag_math_euler
[result] = x01ab
```

3 Description

None.

4 References

None.

5 Parameters

5.1 Compulsory Input Parameters

None.

5.2 Optional Input Parameters

None.

5.3 Output Parameters

1: **result**

The result of the function.

6 Error Indicators and Warnings

None.

7 Accuracy

The result should be correct to ***machine precision*** (see Chapter X02).

8 Further Comments

None.

9 Example

9.1 Program Text

```
function x01ab_example

fprintf('x01ab example results\n\n');

fprintf('Euler''s constant = %16.15f\n', x01ab);
```

9.2 Program Results

```
x01ab example results

Euler's constant = 0.577215664901533
```