

# NAG Library Function Document

## nag\_complex\_log (a02dgc)

### 1 Purpose

nag\_complex\_log (a02dgc) returns the complex logarithm.

### 2 Specification

```
#include <nag.h>
#include <naga02.h>
Complex nag_complex_log (Complex z)
```

### 3 Description

None.

### 4 References

None.

### 5 Arguments

1: **z** – Complex *Input*  
*On entry:* a valid complex number.

### 6 Error Indicators and Warnings

None.

### 7 Accuracy

Not applicable.

### 8 Parallelism and Performance

nag\_complex\_log (a02dgc) is not threaded in any implementation.

### 9 Further Comments

None.

### 10 Example

See Section 10 in nag\_complex (a02bac).

---