

NAG Library Function Document

nag_complex_r_power (a02dec)

1 Purpose

nag_complex_r_power (a02dec) returns a complex number raised to real power.

2 Specification

```
#include <nag.h>
#include <naga02.h>
```

```
Complex nag_complex_r_power (Complex z, double x)
```

3 Description

None.

4 References

None.

5 Arguments

- | | | |
|----|--|--------------|
| 1: | z – Complex | <i>Input</i> |
| | <i>On entry:</i> a valid complex number. | |
| 2: | x – double | <i>Input</i> |
| | <i>On entry:</i> a real number. | |

6 Error Indicators and Warnings

None.

7 Accuracy

Not applicable.

8 Parallelism and Performance

nag_complex_r_power (a02dec) is not threaded in any implementation.

9 Further Comments

None.

10 Example

See Section 10 in nag_complex (a02bac).
