

# 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

*Input*

*On entry:* a valid complex number.

2: **x** – double

*Input*

*On entry:* a real number.

### 6 Error Indicators and Warnings

None.

### 7 Accuracy

Not applicable.

### 8 Parallelism and Performance

Not applicable.

### 9 Further Comments

None.

### 10 Example

See Section 10 in nag\_complex (a02bac).

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