

Readme

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Functions

We have defined the following functions:

- `square(x)`
- `cube(x)`
- `modulus(r,i)`
- `argument(r,i)`
- `expform(r,i)`

Examples

```
library(powers)
square(100)
```

```
## [1] 10000
```

```
cube(3)
```

```
## [1] 27
```

```
modulus(1,1)
```

```
## [1] 1.414214
```

```
argument(1,1)
```

```
## [1] 0.7853982
```

```
expform(1,1)
```

```
## [1] "1.414 exp(0.785 i)"
```

Note:

The functions `square` and `cube` are vectorized and can take vector or matrix inputs. The functions `modulus`, `argument` and `expform` can only take on pairs of values and are sensitive to vector inputs.

Reflection

R Studio definitely makes the package building as simple as ever. It is a bit hairy to navigate sometimes but once you understand the process, it is super easy to make a self contained package!