

# **mpc** Arbitrary Precision Complex Number Arithmetic

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July 31, 2018

**mpc** is an R package that provides access to the `mpc[1]` library for the arithmetic of complex numbers with arbitrarily high precision and correct rounding of the result.

```
> library(mpc)
> mpc(3+3i, 52)
```

```
Rounding: MPC_RNDNN
```

```
[1] "(3.0000000000000000 3.0000000000000000)"
```

## References

- [1] Andreas Enge, Mickaël Gastineau, Philippe Théveny, and Paul Zimmermann. *mpc — A library for multiprecision complex arithmetic with exact rounding*. INRIA, 0.9 edition, 2011. <http://mpc.multiprecision.org/>.