

Package ‘rwfec’

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Type Package

Title R Wireless, Forward Error Correction

Version 0.2

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Description Communications simulation package supporting forward error correction.

Depends R (>= 3.1)

License GPL (>= 2)

LazyData TRUE

Imports Rcpp (>= 0.11.6)

LinkingTo Rcpp

NeedsCompilation yes

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Repository CRAN

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hello	<i>Hello, World!</i>
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Description

Prints 'Hello, world!'.

Usage

```
hello()
```

Examples

```
hello()
```

rcpp_hello	<i>Hello, Rcpp!</i>
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Description

Returns an R list containing the character vector `c("foo", "bar")` and the numeric vector `c(0, 1)`.

Usage

```
rcpp_hello()
```

Examples

```
rcpp_hello()
```

sinc	<i>sinc</i>
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Description

$\text{sinc}(x) = 1$ at $x = 0$, $\text{sinc}(x) = \sin(x)/x$ for $x \neq 0$

Usage

```
sinc(x)
```

Arguments

x - input vector

Value

Response (Double, Numeric vector) of the sinc function applied to the input vector x.

Examples

```
x <- seq(-6*pi, 6*pi, by = pi/10)
p <- sinc(x)
plot(x/pi,p,ylim=c(-0.3,1.1), pch=19, cex=0.25, ylab="p", xlab="x*pi", type="l")
grid( col = "grey50", lty = "dotted")
```

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