Package 'cumprinc'

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Title Functions Centered Around Microsoft Excel Cumprinc Function

Version 0.1

Description Provides similar functionality to 'Microsoft Excel' 'CUMPRINC' function <https://support.microsoft.com/en-us/office/cumprinc-function-94a4516d-bd65-41a1-bc16-053a6af4c04d>.
Returns principal remaining at a given month, principal paid in a month, and accumulated principal paid at a given month based on original loan amount,
monthly interest rate, and term of loan.

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Encoding UTF-8

RoxygenNote 7.2.2

NeedsCompilation no

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Repository CRAN

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R topics documented:

`princ_accum` *Accumulated principal paid back at time n*

Description

Accumulated principal paid back at time n

Usage

```
princ_accum(s, r, t, n)
```

Arguments

s	original loan amount
r	interest rate. Divide by 100 if in a percent and again by 12 if yearly
t	loan term in months
n	month to return value for

Value

numeric value of accumulated paid principal

Examples

```
s <- 10000
r <- 5 / 100 / 12
t <- 60
n <- 5
princ_accum( s, r, t, n)
```

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princ_month *Principal to be paid back at time n*

Description

Principal to be paid back at time n

Usage

```
princ_month(s, r, t, n)
```

Arguments

s	original loan amount
r	interest rate. Divide by 100 if in a percent and again by 12 if yearly
t	loan term in months
n	month to return value for

Value

numeric value of principal paid in given month

Examples

```
s <- 10000
r <- 5 / 100 / 12
t <- 60
n <- 5
princ_month( s, r, t, n)
```

`princ_remn` *Remaining principal at time n*

Description

Remaining principal at time n

Usage

```
princ_remn(s, r, t, n)
```

Arguments

`s`	original loan amount
`r`	interest rate. Divide by 100 if in a percent and again by 12 if yearly
`t`	loan term in months
`n`	month to return value for

Value

numeric value of remaining principal

Examples

```
s <- 10000
r <- 5 / 100 / 12
t <- 60
n <- 5
princ_remn( s, r, t, n)
```

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