CUMPRINC

Updated: 31 Mar 2016

Use the scalar valued function CUMPRINC to calculate the cumulative principal paid on a loan between any two periods.

Syntax

```
Public Shared Function CUMPRINC(
    ByVal Rate As Double,
    ByVal Nper As Double,
    ByVal PV As Double,
    ByVal Start_period As Integer,
    ByVal End_period As Integer,
    ByVal Pay_type As Integer,)
```

Arguments

Rate

the interest rate per period. *Rate* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

Nper

the total number of periods in the annuity to be calculated. *Nper* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

PV

the present value of the future payments. *PV* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

Start_period

the first period in the calculation. Payment periods are numbered beginning with 1.*Start_period* is an expression that returns a **Integer**, or of a type that can be implicitly converted to **Integer**.

End_period

the last period in the calculation. *End_period* is an expression that returns a **Integer**, or of a type that can be implicitly converted to **Integer**.

Pay_type

the number 0 or 1 and indicates when payments are due. *Pay_type* is an expression that returns a **Integer**, or of a type that can be implicitly converted to **Integer**.

Set *Pay_type* equal to	If payments are due
0	At the end of a period
1	At the beginning of a period

Return Type

Double

Remarks

- If *Rate* <= 0, *Nper* <= 0, or *PV* <= 0, `CUMPRINC` returns an error
- If *Start_period* < 1, *End_period* < 1, or *Start_period* > *End_period*, `CUMPRINC` returns an error
- If *Pay_type* is any number other than 0 or 1, `CUMPRINC` returns an error

See Also

- CUMIPMT - Cumulative interest paid on an annuity
- CUMLIPMT - Cumulative interest payments of a loan
- CUMLPPMT - Cumulative principal payments of a loan
- EFFECT - Effective annual interest rate
- IPMT - Interest portion of an annuity payment
- LIPMT - Interest portion of a loan payment
- LPMT - Periodic payment of a loan
- LPMTSCHED - Generate loan amortization with balloon payment and other parameters
- LPPMT - Principal portion of a loan payment
- LRATE - Interest rate for an annuity with an odd first period
- NUMPMTS - Total number of payments over the life of the loan
- PMT - Annuity periodic payment
- PMTSCHED - Payment schedule of a loan
- PPMT - Principal portion of an annuity payment
- TOTALINT - Total interest amount of a loan