

# CUMIPMT

Updated: 31 Mar 2016

Use **CUMIPMT** to return calculate the cumulative interest paid by an annuity between any two periods.

## Syntax

```
Public Shared Function CUMIPMT(  
    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 periodic interest rate. *Rate* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

### *Nper*

the number of periods in the annuity. *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's interest to be included. *Start\_period* is an expression that returns an **Integer**, or of a type that can be implicitly converted to **Integer**.

### *End\_period*

the last period's interest to be included. *End\_period* is an expression that returns an **Integer**, or of a type that can be implicitly converted to **Integer**.

### *Pay\_type*

the number {0, 1} specifying an ordinary annuity (0) or an annuity-immediate (1). *Pay\_type* is an expression that returns **Integer**, or of a type that can be implicitly converted to **Integer**.

## Return Type

Double

## Remarks

- If *Rate* = -1 an exception is returned

## See Also

- CUMLIPMT - Cumulative interest payments of a loan
- CUMLPPMT - Cumulative principal payments of a loan
- CUMPRINC - Cumulative principal paid on an annuity
- 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