CUMLIPMT

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Use CUMLIPMT to calculate the cumulative interest payments for a specified range of periods for a loan or lease. LIPMT calculates the interest payment amount, which will generally be the same as the interest accrual amount, but in some cases involving the US Rule, may be different.

Syntax

```
Public Shared Function CUMLIPMT(
    ByVal PV As Double,
    ByVal LoanDate As Date,
    ByVal Rate As Double,
    ByVal FirstPayDate As Date,
    ByVal NumPmts As Integer,
    ByVal Pmtpyr As Integer,
    ByVal StartPer As Integer,
    ByVal EndPer As Integer,
    ByVal DaysInYr As Integer,
    ByVal FV As Double,
    ByVal IntRule As String,)
```

Arguments

PV

> the principal amount of the loan or lease. *PV* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

LoanDate

> the date that the loan starts accruing interest. *LoanDate* is an expression that returns a **Date**, or of a type that can be implicitly converted to **Date**.

Rate

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

FirstPayDate

> the date that the first payment is due. *FirstPayDate* is an expression that returns a **Date**, or of a type that can be implicitly converted to **Date**.

NumPmts

> the total number of payments to be recorded over the life of the loan. *NumPmts* is an expression that returns a **Integer**, or of a type that can be implicitly converted to **Integer**.

Pmtpyr

> the number of loan payments made in a year. *Pmtpyr* is an expression that returns a **Integer**, or of a type that can be implicitly converted to **Integer**.

StartPer

> the period number for which you want to start accumulating the payment information. *StartPer* is an expression that returns a **Integer**, or of a type that can be implicitly converted to **Integer**.

EndPer

> the period number for which you want to stop accumulating the payment information.*EndPer* is an expression that returns a **Integer**, or of a type that can be implicitly converted to **Integer**.

DaysInYr

> the denominator number of days to be used in the calculation of the interest amount in the odd first period. *DaysInYr* is an expression that returns a **Integer**, or of a type that can be implicitly converted to **Integer**.

FV

> the future value at the end of the loan. *FV* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

IntRule

> Identifies the loan as conforming to the US Rule ("U") or the actuarial rule ("A") regarding the compounding of interest in the odd first period. *IntRule* is an expression that returns a **String**, or of a type that can be implicitly converted to **String**.

Return Type
Double

Remarks

- If *DaysInYr* is NULL, then *DaysInYr* = 360
- If *FV* is NULL, then *FV* = 0
- If *IntRule* is NULL, then *IntRule* = "A"
- *FirstPayDate* must be greater than *LoanDate*
- *Pmtpyr* must be 1, 2, 3, 4, 6, 12, 13, 24, 26, 52, or 365
- *NumPmts* must be greater than 1
- *Rate* must be greater than zero
- *DaysInYr* must be 360, 364, or 365
- *PV* must be greater than zero
- *StartPer* must be between 1 and *NumPmts*
- *EndPer* must be between *StartPer* and *NumPmts*
- If *StartPer* = *EndPer* then CUMLIPMT = LIPMT

See Also

- CUMIPMT - Cumulative interest paid on an annuity
- 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