

ODDPV

Updated: 31 Mar 2016

Use the scalar valued function **ODDPV** to calculate the present value of an annuity with an odd first period.

Syntax

```
Public Shared Function ODDPV(  
    ByVal Rate As Double,  
    ByVal NumPmts As Integer,  
    ByVal Pmt As Double,  
    ByVal FV As Double,  
    ByVal Pmtpyr As Integer,  
    ByVal LoanDate As Date,  
    ByVal FirstPayDate As Date,  
    ByVal DaysInYr As Double,)
```

Arguments

Rate

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

NumPmts

the total number of payment over the life of the annuity to be calculated. *NumPmts* is an expression that returns a **Integer**, or of a type that can be implicitly converted to **Integer**.

Pmt

the payment made each period. *@Pmt* cannot change over the life of the annuity. *Pmt* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

FV

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

Pmtpyr

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

LoanDate

the interest start date for the annuity. *LoanDate* is an expression that returns a **Date**, or of a type that can be implicitly converted to **Date**.

FirstPayDate

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

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 **Double**, or of a type that can be implicitly converted to **Double**.

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, 5, 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

See Also

- CUMODDFIPMT - Cumulative interest on the periodic annuity payments between a start period and an end period
- CUMODDFPPMT - Cumulative principal on the periodic annuity payments between a start period and an end period
- FV - Future Value
- FVGA - Future Value of a Growing Annuity
- FVSCHEDULE - Future Value based on Compound Rates
- NOMINAL - Annual Nominal Interest Rate
- NPER - Number of Periods
- NPERGA - Number of Periods of a Growing Annuity
- ODDFIPMT - Interest portion of a periodic payment for an annuity with an odd first period
- ODDFPMT - Periodic payment for an annuity with an odd first period
- ODDFPMTSCHED - Generate Amortization schedule for an annuity with odd first period
- ODDFPPMT - Principal portion of a periodic payment for an annuity with an odd first period

- ODDFPV - Present value of an annuity with an odd first period
- ODDFRATE - Periodic interest rate for an annuity where the first period is longer or shorter than the other periods
- PMTGA - Initial Payment of a Growing Annuity
- PV - Present Value
- PVGA - Present Value of a Growing Annuity
- RATE - Interest Rate of an Annuity