PV

Updated: 31 Mar 2016

Use PV to calculate the present value of an annuity.

Syntax

```
Public Shared Function PV(
    ByVal Rate As Double,
    ByVal Nper As Double,
    ByVal Pmt As Double,
    ByVal FV As Double,
    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. *Nper* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

Pmt

> the periodic payment amount. *Pmt* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

FV

> the balance remaining after the final payment. *FV* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

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

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 - 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
- ODDPV - Present value of an annuity with an odd first period
- PMTGA - Initial payment of a growing annuity
- PVGA - Present value of a growing annuity
- RATE - Interest rate of an annuity