XFV

Updated: 31 Mar 2016

Use XFV to calculate the future value of a cash flow between two dates.

Syntax

```
Public Shared Function XFV(
    ByVal StartDate As Date,
    ByVal CashflowDate As Date,
    ByVal EndDate As Date,
    ByVal CashflowRate As Double,
    ByVal EndRate As Double,
    ByVal Cashflow As Double,)
```

Arguments

StartDate

the starting date for the annual interest rates used in the XFV calculation. Thus, the rate for the date of the cash flow is the rate from the start date (*StartDate*) to the cash flow date (*CashflowDate*) and the rate for the end date (*EndDate*) is the rate from the start date (*StartDate*) to the end date (*EndDate*).   *StartDate* is an expression that returns a **Date**, or of a type that can be implicitly converted to **Date**.

CashflowDate

the date on which the cash flows occurs. *CashflowDate* is an expression that returns a **Date**, or of a type that can be implicitly converted to **Date**.

EndDate

the {description}. *EndDate* is an expression that returns a **Date**, or of a type that can be implicitly converted to **Date**.

CashflowRate

the ending date for purposes of calculating the future value. The future value is calculated from the cash flow date to the end date. *CashflowRate* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

EndRate

the annual interest rate for the end date. This should be the interest rate from the start date (*StartDate*) to the end date (*EndDate*). *EndRate* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

Cashflow

the cash flow value. *Cashflow* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

Return Type
Double

Remarks
- The future value will have the same sign as the cash flow amount (*CashFlow*).
- If the *CashflowRate* is equal to -1, XPV will return a NULL.
- XFV allows positive and negative values for *CashflowRate* .
- XFV allows positive and negative values for *EndRate*.
- *CashflowRate* is an annual rate of interest.
- *EndRate* is an annual rate of interest.
- The *CashflowRate* should be the annual interest rate from *StartDate* to *CashflowDate*.
- The *EndRate* should be the annual interest rate from *StartDate* to *EndDate*.
- To calculate a future value using periods or for different interest bases, try the EFV function.

See Also
- EFV - Enhanced future value
- ENPV - Enhanced net present value
- EPV - Enhanced present value
- NFV - Net future value
- NPV - Net present value
- XDCF - Discounted cash flows value of a series of irregular cash flows
- XNFV - Net future value for non-periodic cash flows
- XNPV - Net present value for non-periodic cash flows
- XNPV30360 - Net present value for irregular cash flows using a 30/360 day-count convention
- XNPVT - Net present value for cash flows with irregular time periods
- XPV - Discounted value of a cash flow between two dates