

# XNPVT

Updated: 31 Mar 2016

Use **XNPVT** to calculate the net present value for a series of cash flows with irregular time periods—cash flows of varying amount occurring at various points in time.

## Syntax

```
Public Shared Function XNPVT(  
    ByVal Disc_rate As Double,  
    ByVal CF_Amt() As Double,  
    ByVal Time() As Double,)
```

## Arguments

### *Disc\_rate*

the rate to be used in the calculation. *Disc\_rate* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

### *CF\_Amt*

the cash flow amounts to be used in the calculation. *CF\_Amt* is an expression that returns an Array of **Double**, or of a type that can be implicitly converted to an Array of **Double**.

### *Time*

the time (expressed in periods) associated with the *CF\_Amt*. *Time* is an expression that returns an Array of **Double**, or of a type that can be implicitly converted to an Array of **Double**.

## Return Type

Double

## Remarks

- *CF\_Amt* and *Time* are passed in as pairs, but they can be passed into the function in any order.
- *Disc\_rate* should be in the same units as *Time*.

## 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
- XFV - Future value of a cash flow between two dates

- 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
- XPV - Discounted value of a cash flow between two dates