Cash Flows "CALC" Menu

This tool allows to perform common calculations over a list of cash flows. Once a list is ready for calculations in the "**CFLO**" menu, touch the "**CALC**" button to show the calculation view.

[List ▶]	If enabled, shows all previously saved data list available. Select the one to load for calculations.
[i%]	Stores the Interest Rate to calculate **NPV** or, calculates the **i%** for the current **NPV** value.
[NPV]	Stores the Net Present Value to calculate **i%** or, calculates the **NPV** for the current **i%** value.
[IRR%]	Calculates the Internal Rate of Return.
[NFV]	Calculates the Net Future Value of the cash flows in the current list using the **i%** interest rate.
[NUS]	Calculates the Net Uniform Series of payments that produces the same **NPV** at the **i%** interest rate.
[TOTAL]	Calculates the total sum of the current "data list".
[#CF's]	Calculates the Number of cash flows. This is the sum of repetitions excluding the initial cash flow.

[PV(-)]	Calculates the Present Value of **Negative** cash flows only. Used in the **MIRR** calculation(see the example).
[FV(+)]	Calculates the Future Value of **Positive** cash flows only. Used in the **MIRR** calculation (see the example).
[MIRR]	Calculates the Modified Internal Rate of Return using the previously calculated **PV(-)** and **FV(+)**.
[SPPV]	Calculates the Single Payment Present Value: **SPPV = (1 + i% / 100)** $^{-n}$
[SPFV]	Calculates the Single Payment Future Value: **SPFV = (1 + i% / 100)** ^{n}
[USPV]	Calculates the Uniform Series Present Value: **USPV = [1 - SPPV] / (i% / 100)**
[USFV]	Calculates the Uniform Series Future Value: **USFV = [SPFV - 1] / (i% / 100)**

Example: Using the "CFLO-Example" list created in the Example of "Cash Flows Menu" document, calculate:

1.- Net Present value at 5% of interest.
2.- The interest necessary to obtain a Net Present value of 1000.
3.- The Internal rate of return (IRR%).
4.- Calculate the Net Uniform Series (NUS) at 9% of interest.
5.- Calculate the Net Future Value at 5% of interest.
6.- Calculate the Cash Flows average.
7.- Calculate the Modified Rate of Return (MIRR) using a safe rate
   of 8% per period and a reinvestment (risk) rate of 13%.
8.- Calculate SPPV, SPFV, USPV and USFV at 9.0%

Solution: (ALG mode)

Keys	Comment
[List ▶] "CFLO-Example"	Load the "CFLO-Example" list (If not exist, review the "Cash Flow Menu" document to create it).
5 **[i%]** **[NPV]**	1) Net Present Value at 5% **NPV= 52,581.63**
1000 **[NPV]** **[i%]**	2) i% for NPV = 1000. **i% = 13.48**
[IRR]	3) The Internal Rate of Return **IRR% = 13.72%**
9 **[i%]** **[NUS]**	4) Net Uniform Series at 9% **NUS = 3,675.34**
5 **[i%]** **[NFV]**	5) Net Future Value at 5% **NFV = 85,649.94**
[TOTAL] [÷] **[#CF's] [=]**	6) Cash Flows Mean **Result = 9,781.82**
8 **[PV(-)]** 13 **[FV(+)]** **[MIRR]**	7) Modified Rate of Return: **PV(-) = -79,000.00** **FV(+) = 278,469.88** Calculate **MIRR% = 13.43**
9 **[i%]** **[SPPV]** **[SPFV]** **[USPV]** **[USFV]**	8) Input the interest rate Calculate **SPPV = 0.4224** Calculate **SPFV = 2.3674** Calculate **USPV = 6.4177** Calculate **USFV = 15.1929**