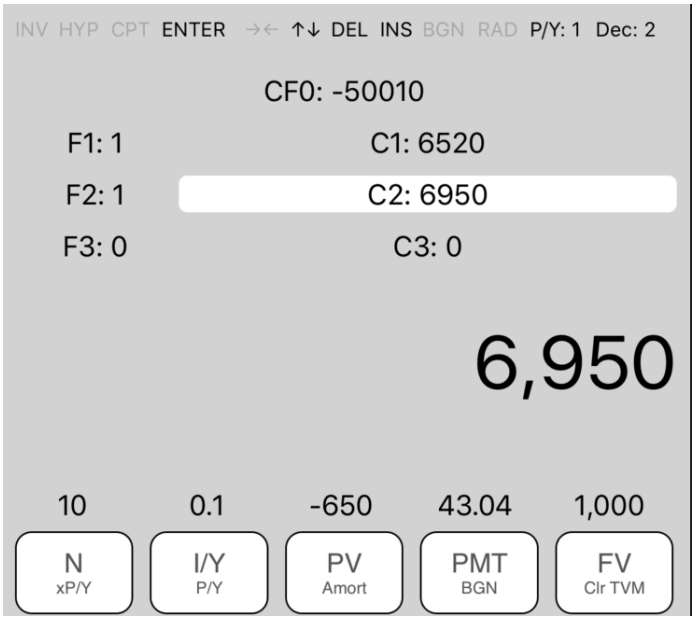
Cash Flow Worksheet



Use the Cash Flow worksheet to solve problems with unequal cash flows.

To solve problems with equal cash flows, use the TVM worksheet. (See "Time-Value-of-Money and Amortization Worksheets".)

- To access the Cash Flow worksheet and initial cash flow value (**CF0**), press CF
- To access the cash flow amount and frequency variables (**C***nn*/**F***nn*), press ↑ Del ↓ Ins
- To access the discount rate variable (**I**), press NPV
- To compute net present value (**NPV**), press ↑ Del ↓ Ins and CPT Quit for each variable.
- To compute the internal rate of return (**IRR**), press IRR

Cash Flow Worksheet Variables

Variable	Key	Display	Variable type
Initial cash flow	CF	CF0	Enter-only
Amount of n^{th} cash flow	↑ Del ↓ Ins	Cnn	Enter-only
Frequency of n^{th} cash flow	↑ Del ↓ Ins	Fnn	Enter-only
Discount rate	NPV	I	Enter-only

Net present value	↑ Del, ↓ Ins, CPT Quit	NPV	Compute-only
Internal rate of return	IRR	IRR	Compute-only

Resetting Variables

- To reset **CFo**, **C***nn*, and **F***nn* to default values, press 2nd, CF and then Clr Work CEIC.
- To reset all calculator variables and formats to default values, including all Cash Flow worksheet variables, press 2nd, Reset +/-.

Entering Cash Flows

- You must enter an initial cash flow (**CF0**). Each cash flow can have a unique value.
- Enter positive values for cash inflows (cash received) and negative values for cash outflows (cash paid out). To enter a negative value, key in a number and press +/- Reset.

Inserting and Deleting Cash Flows

The calculator displays **INS** or **DEL** (

) to confirm that you can press 2nd, Del ↑ Ins ↓. to insert or delete cash flows.

Entering Cash Flows

To enter cash flows:

1. Press CF. The initial cash-flow value (**CF0**) appears.
2. Key in a value for **CF0** and press Enter Print.
3. To select an additional cash-flow variable, press ↑ Del, ↓ Ins. The **C01** value appears.
4. To change **C01**, key in a value and press Enter Print.

5. To select the cash-flow frequency variable (**F01**), press ↑ Del ↓ Ins. The **F01** value appears.
6. To change **F01**, key in a value and press Enter Print (tip: when you enter Cnn, Fnn changes from 0 to 1 automatically)
7. To select an additional cash-flow variable, press ↑ Del ↓ Ins. The **C02** value appears.
8. Repeat steps 4 through 7 for all remaining cash flows and frequencies.
9. To review entries, press ↑ Del ↓ Ins.

Computing Cash Flows

The calculator solves for these cash-flow values:

- Net present value (**NPV)** is the total *present* value of all cash flows, including inflows (cash received) and outflows (cash paid out). A positive **NPV** value indicates a profitable investment.
- Internal rate of return (**IRR**) is the interest rate at which the net present value of the cash flows is equal to 0.

Computing NPV

1. Press NPV to display the current discount rate (**I**).
2. Key in a value and press Enter Print.
3. Press ↑ Del ↓ Ins to display the current net present value (**NPV**).
4. To compute the net present value for the series of cash flows entered, press CPT Quit.

Computing IRR

1. Press IRR. The **IRR** variable and current value are displayed (based on the current cash-flow values).

2. To compute the internal rate of return, press 

. The calculator displays the **IRR** value.