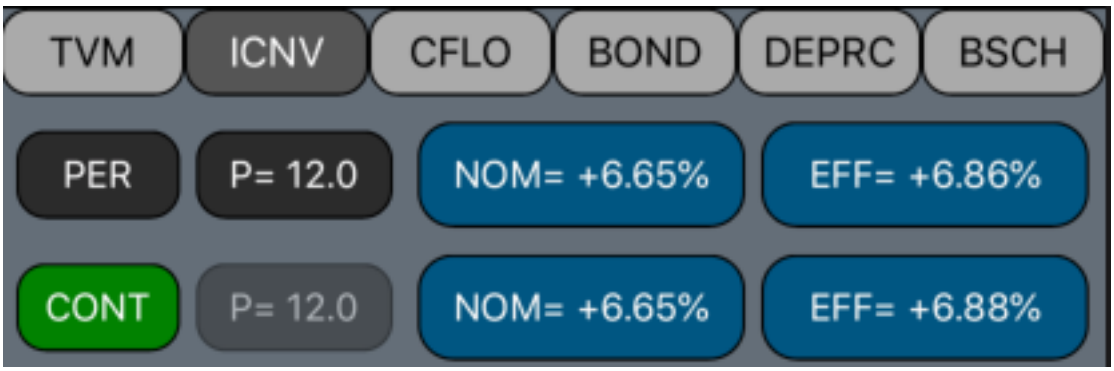
Interest Conversion Menu

The Interest Conversion menu allows you to convert between nominal and effective interest rates using either, Periodic compounding or Continuous compounding. To show it, touch the "**FIN**" button in the main menu and select the "**ICNV**" tab or touch **[Shift] [ICNV]** in the keyboard.



For convenience, the menu allows to analyze and calculate two interest rates in the same view. This is specially useful for comparing different conditions.

The interest conversions use the following equations:

(Periodic) $\%EFF = 100 \cdot [(1 + \%NOM / P / 100)^{P} - 1]$

(Continuous) $\%EFF = 100 \cdot (e^{\%NOM / 100} - 1)$

Interest Conversion Menu	
[PER] [CONT]	Set the interest conversion mode; Periodic or Continuous interest Compounding.
[P]	Input the number of compounding periods per year in the "Periodic" interest conversion mode.
[NOM%]	Input or calculates the Nominal interest rate.
[EFF%]	Input or calculates the Effective interest rate.

If any other key is pressed before one of the Blue keys, the displayed number is stored in the corresponding variable. Otherwise, the variable is calculated.

Example: Saving Accounts Comparison
You have offers to open a saving account from three banks:
- Bank #1 offers a 6.70% annual interest compounded quarterly.
- Bank #2 offers a 6.65% annual interest compounded monthly and
- Bank #3 offers a 6.65% annual interest compounded continuously.

What is the best?.

Solution: Follow the next sequence:

Keystrokes	Description
Bank #1 **[PER]**	Sets the Periodic mode for Bank #1
4 **[P]**	Stores the number of periods per year of Bank #1. **P = 4**
6.7 **[NOM%]**	Stores the nominal interest of Bank #1. **%NOM = 6.70%**
[EFF%]	Calculates Bank #1 effective rate. **EFF% = 6.87**
Bank #2 **[PER]**	Sets the Periodic mode for Bank #2
12 **[P]**	Stores the number of periods per year of Bank #2. **P = 12**
6.65 **[NOM%]**	Stores the nominal interest of Bank #2. **%NOM = 6.65%**

Keystrokes	Description
[EFF%]	Calculates Bank #2 effective rate. **EFF% = 6.86%**
Bank #1 is better than Bank #2, so keep the data of Bank #1 and precede to enter Bank #3 data.	
Bank #3 **[CONT]**	Sets the Periodic mode for Bank #3
6.65 **[NOM%]**	Stores the nominal interest of Bank #3. **%NOM = 6.65%**
[EFF%]	Calculates Bank #3 effective rate. **EFF% = 6.88%**

Answer: Bank #3 is offering the most favorable interest rate of 6.88%.