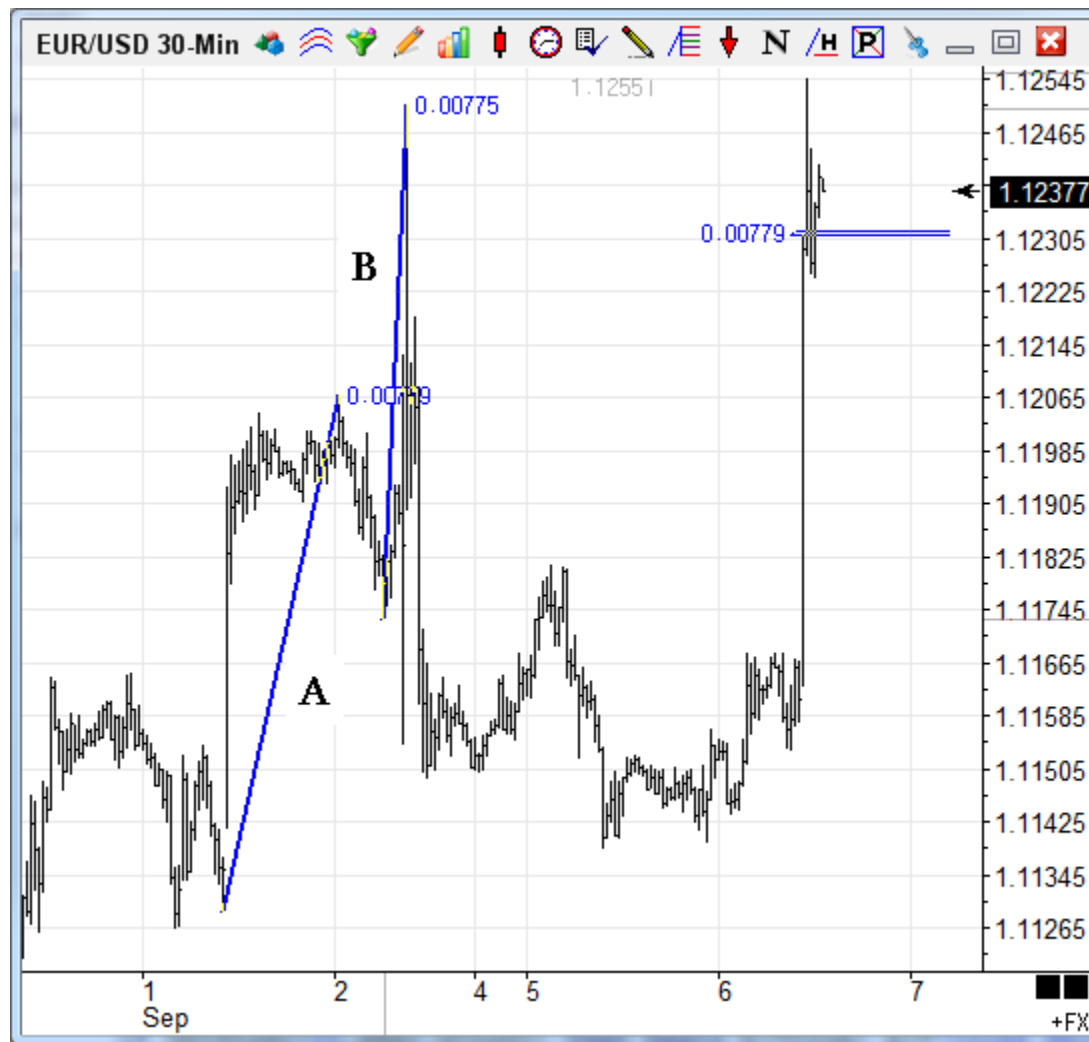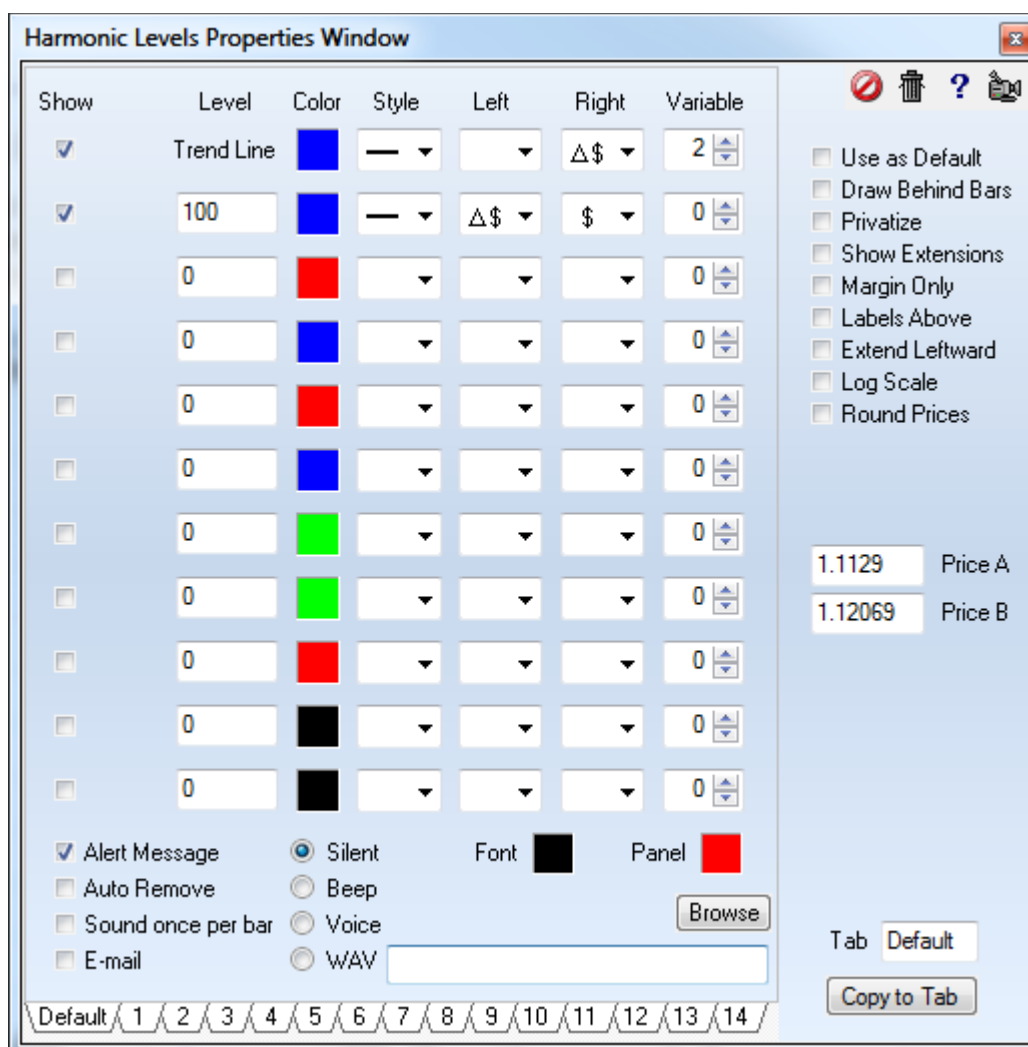# Harmonic Levels

Market swings have a natural or harmonic wave action. Trends frequently share a common size in their vertical price movement. Use this tool to measure a trend's range, and have the range drawn from the most recent swing high or swing low.

In this example, the Harmonic Levels tool has been used twice to measure the trend line marked with **A**, and the trend line marked with **B**. The tools have drawn horizontal lines from the recent swing low to show these harmonic ranges. The two ranges from the trends at **A** and **B** are quite similar, and thus the two horizontal harmonic lines are nearly on top of each other.

Trends that are drawn from a low to a high, will have the harmonic line measured from a recent swing low, as in the example.   Trends that are drawn from a high to a low, will have the harmonic line measured from a recent swing high.

Harmonic Levels Properties Window

Show	Level	Color	Style	Left	Right	Variable
✓	Trend Line	(blue)	—— ▼	▼	Δ$ ▼	2 ⬍
✓	100	(blue)	— ▼	Δ$ ▼	$ ▼	0 ⬍
☐	0	(red)	▼	▼	▼	0 ⬍
☐	0	(blue)	▼	▼	▼	0 ⬍
☐	0	(red)	▼	▼	▼	0 ⬍
☐	0	(blue)	▼	▼	▼	0 ⬍
☐	0	(green)	▼	▼	▼	0 ⬍
☐	0	(green)	▼	▼	▼	0 ⬍
☐	0	(red)	▼	▼	▼	0 ⬍
☐	0	(black)	▼	▼	▼	0 ⬍
☐	0	(black)	▼	▼	▼	0 ⬍

☐ Use as Default
☐ Draw Behind Bars
☐ Privatize
☐ Show Extensions
☐ Margin Only
☐ Labels Above
☐ Extend Leftward
☐ Log Scale
☐ Round Prices

1.1129   Price A
1.12069   Price B

✓ Alert Message   ◉ Silent   Font (black)   Panel (red)
☐ Auto Remove   ○ Beep
☐ Sound once per bar   ○ Voice   [Browse]
☐ E-mail   ○ WAV [_____]

Tab Default
[Copy to Tab]

Default \ 1 \ 2 \ 3 \ 4 \ 5 \ 6 \ 7 \ 8 \ 9 \ 10 \ 11 \ 12 \ 13 \ 14

Typically the harmonic level of interest is 100% of the measured range. But the tool permits any percentage to be entered in the Level column.

The settings shown on this property form are recommended.   The Delta Price marker on Right of the Trend Line will show the range of the trend line.

The Delta Price marker for the range is repeated on the left side of the 100% Harmonic Level line.   Use the $ Price marker to show the price of the Harmonic Level on the right side of the horizontal line.

The Global Variable on the Trend Line row will store the range of the trend.   The global variables on the rows for the harmonic level lines will store the price where the line is drawn.