

NeuroShell Trader

The Vortex Indicator described by Etienne Botes and Douglas Diepman can be easily implemented in the NeuroShell Trader by combining a few of the NeuroShell Trader's over 800 indicators. First select '**New Indicator ...**' from the '**Insert**' menu and use the Indicator Wizard to create the following indicators:

+VM: $\text{Abs}(\text{Subtract}(\text{High}, \text{Lag}(\text{Low}, 1)))$

-VM: $\text{Abs}(\text{Subtract}(\text{Low}, \text{Lag}(\text{High}, 1)))$

TR: $\text{Max3}(\text{Subtract}(\text{High}, \text{Low}), \text{Abs}(\text{Subtract}(\text{High}, \text{Lag}(\text{Close}, 1))), \text{Abs}(\text{Subtract}(\text{Low}, \text{Lag}(\text{Close}, 1))))$

VI+: $\text{Divide}(\text{Sum}(+VM, 14), \text{Sum}(\text{TR}, 14))$

VI-: $\text{Divide}(\text{Sum}(-VM, 14), \text{Sum}(\text{TR}, 14))$

Then to create a Vortex Indicator Trading System, select '**New Trading Strategy ...**' from the '**Insert**' menu and enter the following in the appropriate locations of the Trading Strategy Wizard:

Generate a buy long STOP when all of the following conditions are true:

$A > B$ (VI+, VI-)

Stop Price:

$\text{SelectiveMovAvg}(\text{High}, \text{CrossAbove}(\text{VI+}, \text{VI-}), 1)$

Generate a short sell STOP when all of the following conditions are true:

$A < B$ (VI+, VI-)

Stop Price:

$\text{SelectiveMovAvg}(\text{Low}, \text{CrossBelow}(\text{VI+}, \text{VI-}), 1)$

If you have the NeuroShell Trader Professional, you can also choose whether or not the system parameters should be optimized. After backtesting the trading strategy, use the '**Detailed Analysis ...**' button to view the backtest and trade by trade statistics for the system.

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Figure A: NeuroShell QQQQ Vortex System.

