"The Latest Enhancements to ThinkOrSwim"

Range Bars

Roll out the champagne and release the doves. Range Bars are here! Regardless of your trading style, this all-new aggregation type can help to distinguish the volatility of a particular market. New candles are plotted only when a defined range has been exceeded. This means these Range Bar charts are aggregated by price and not time. Impervious to time? If only Ponce de Leon had known about thinkorswim technology.
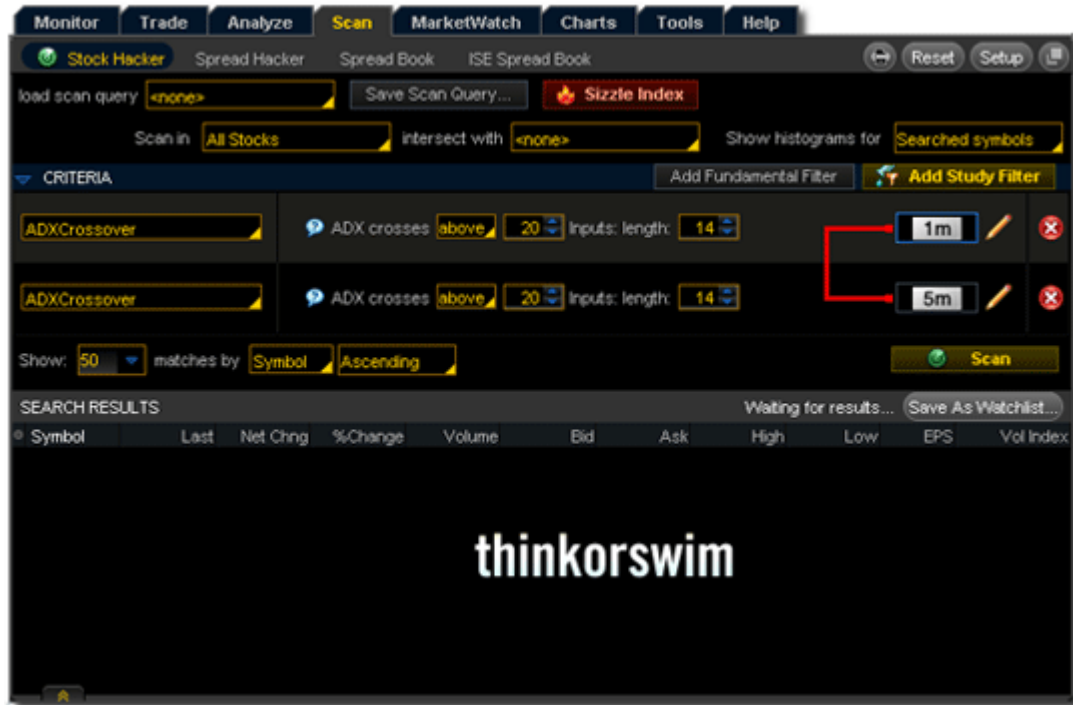
- New "Aggregation Type" parameter added to chart settings. Choices are Time, Tick, and Range
- Eleven pre-defined range settings
- Custom range setting capability
- Ability to combine "Range Bars" with other Chart Types (i.e., Heiken Ashi)
- Ability to visually distinguish phantom bars
- "Scale & Axis" chart setting tab was split into "Price Axis" and "Time Axis" for better navigation
- Volume is hidden for Range Bars
- All elements of Range Bars are explained in our updated Resource Center

Intraday Scanning

We are pleased to usher in a new era for the StockHacker. All time- aggregated periods below 30 minutes are now available through the scanner. We have definitely come a long way over time.

- Nine intraday aggregation periods to choose from
- Combine study filters of different periodicities in a single scan
- Apply specific aggregation period to custom study filters

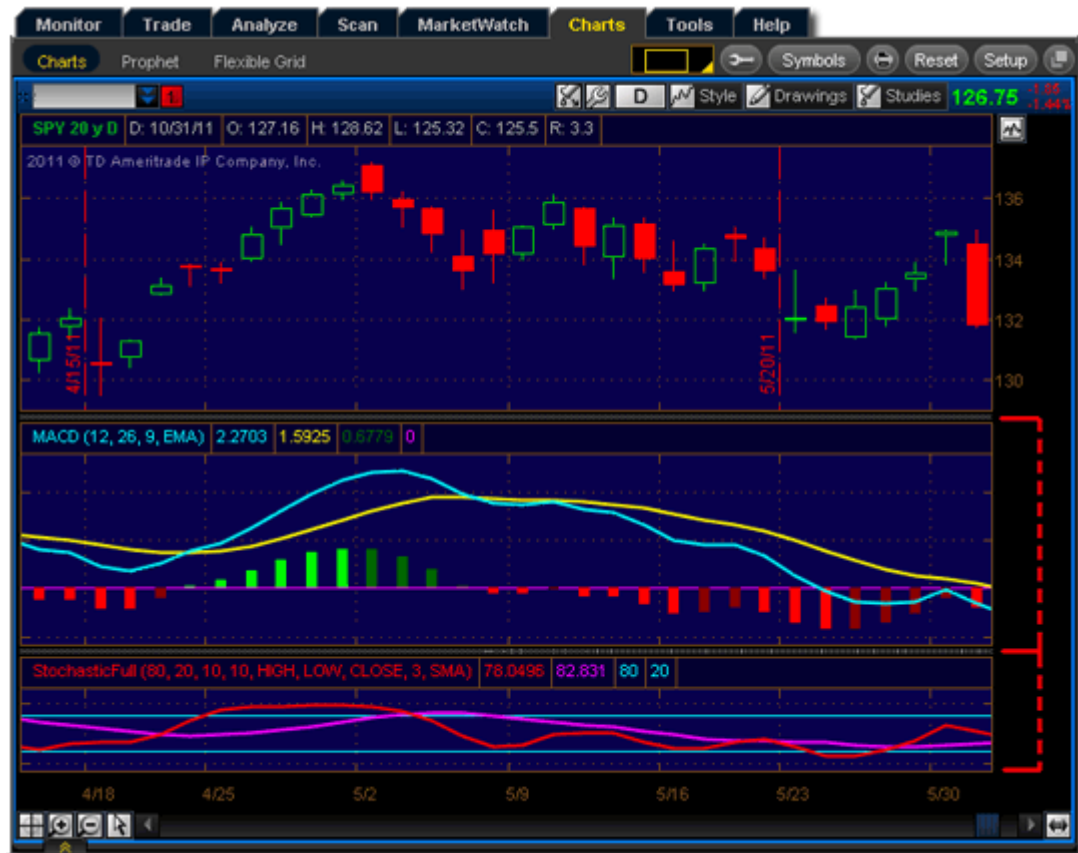## Technical Analysis of Stocks and Commodities

Please enjoy the second batch of custom-built TAS&C indicators.

- *SpectrumBars*
- *PriceZoneOscillator*
- *SeriesCount*
- All TAS&C indicators were added to the Resource Center

Flexible Subgraph Height

The entire charting architecture was stripped, rethought, and rebuilt. Why? So that you can re-size the *PriceZoneOscillator* 1/16 of an inch larger than the *SpectrumBars* subgraph, that's why! Recover the default subgraph height with the "Auto Arrange" feature.

Market Forecast Indicator

This proprietary closed source study has been added to show the relationship between short, mid, and momentum cycles of a particular market. The indicator provides signals at "cluster" areas. In addition, rising bottoms and declining tops of these cluster areas can provide additional cyclical information.

- Market Forecast added to TOS Charts
- Reference material added to the Resource Center

thinkScript

This Thanksgiving technology treat touts tons of thinkScript toys.

- thinkScript: Enhanced thinkScript editor. New inspector, new side panel design, resizable panels

- thinkScript: New hide_on_daily declaration
- thinkScript: New once_per_bar declaration
- thinkScript: fold syntax improvements. New variable offset
- thinkScript: *VWAP, ZigZag, and FourPercentModel* studies have been migrated to thinkScript
- thinkScript: Improved hasEarnings function. Includes parameter to check whether earnings were before/after market hours
- Strategies: *TrailingStop* strategy added
- Strategies: Improved addOrder function. Order type as parameter allows buys and sells in one strategy. Tick and arrow color parameter added
- Strategies: Order position effect can be edited in GUI
- Reference: thinkScript Integration section added. Learn how to use conditional orders, custom quotes, study alerts, and custom study filters for scanning
- Reference: Strategies Setup updates
- Reference: Getting started section updates
- Reference: Additional study articles added to the Resource Center

Global

And a few dotted i's and crossed t's...

- Forex fractional pips in chart status string
- Improved cursor painting performance
- Reference Web hints are cached to improve speed
- Improved Global Strategy section dialog
- ErgodicOsc and *FW_CCI_Basic* are now available in Custom Quotes

A week after stuffing their faces with genetically engineered tryptophan-less turkey and cranking out a few thousand lines of code, our developers embarked on a journey for the history books. You see, just like ol' Monty Hall, we struck a deal to send them on one trip per year in exchange for their coding genius. This year they picked Geneva, Switzerland.

Arrangements were made at the Cathedral St-Pierre, a tour was scheduled at the Library de Geneve, and rooms were booked at the D'Angleterre Geneva. Absolutely no expense was spared in ensuring these world-class brainiacs enjoyed their stay. The devs went AWOL. Their impromptu agenda consisted of hacking into CERN's Large Hadron Collider (LHC) using only a TI-84 calculator and an "I Miss My NBA" refrigerator magnet. The digital pirates then took to an experiment of their own inside the world famous particle accelerator. The leader fixed his newly purchased smartphone to the accelerator tunnel and proceeded to ask "What will we develop next?" The result? Well, let's just say they are celebrated the world over for creative uses of black holes, time travel is possible, and fish now have knuckles. The bad news is they are out a smartphone. Note to self: Next year, send a chaperone... and straightjackets.

On Saturday, December 3, 2011 we have released version 1806.17. New charting features include: