

MSTT Issue / Article	Content	Page
September 2004		
Visiting The Basics – Part 1	Definitions, functions & examples	2
Tip – Using Cum() to count events	Using Cum() to count database events	7
Counting With Cumulate	Using Cum() function for counting	8
Filters – Simple to Complex – Part 1	Introduction to trading filters	12
October 2004		
A Function Language	Introduction to function languages	2
Visiting The Basics – Part 2	Definitions, functions & examples	2
Tip – Removing PREV from Ehler's DCF	Removing PREV from Ehler's DCF formula	7
Questions Answered	Various	8
Using The Alert Function	Alert() function discussion	9
Filters – Simple to Complex – Part 2	B & Q Indicator discussion	16
A Gentle Reminder	MetaStock accelerator key listing	16
November 2004		
Visiting the Basics – Part 3	Definitions, functions & examples	2
Questions Answered	Various	7
Tip – Selecting periodicity with the EST	Selecting data periodicity with the EST	9
An Introduction to PREV	PREV discussion	10
Filters – Simple to Complex – Part 3	B & Q indicators, & introduction to Kaufman's AMA	13
December 2004		
Visiting the Basics – Part 4	Definitions, functions & examples	2
Questions Answered	Various	6
Inside ValueWhen	ValueWhen() function discussion	8
Kaufman's AMA Formula	PREV-based code for Kaufman's AMA	11
Developing Explorations – Part 1	Developing explorations for trading	12
The System Tester – Part 1	Introduction to the Enhanced System Tester (EST)	15
Tip – Storing constants with GlobalVar DLL	Storing constants with GlobalVar DLL	19
January 2005		
Explorer Pitfalls	Explorer discussion	1
Exponential Moving Averages	Exponential moving averages explained	4
Questions Answered	Various	6
Developing Explorations – Part 2	More on developing explorations for trading	7
Tip – Formula language editing tips	Formula language editing tips	12
Thanks For The Memory – Part 1	Creation and use of latches	13
February 2005		
Visiting The Basics – 5	Definitions, functions & examples	1
Thanks For The Memory – Part 2	More on creation and use of latches	3
Using a Counter	Creating and using a counter	7
Questions Answered	Various	10
The System Tester – Part 2	More on the Enhanced System Tester	12
Tip – Forcing Explorer to load enough data	Forcing the Explorer to load enough data	16
Trailing Stops for ICE Users	Creating exit signals from ICE indicators	18
March 2005		
An ATR Ratchet Trailing Stop	Creating ratchet-action trailing stop	1

Ratchet Trailing Stop Formulas	Ratchet-action trailing stop formulas	4
Questions Answered	Various	7
Tip – Weekly long bias indicator	Weekly long bias for EOD and weekly charts	8
The System Tester – Part 3	Still more on the Enhanced System Tester	9
Developing Explorations – Part 3	Still more on developing explorations for trading	12

April 2005		
Numbers In MetaStock	Logical and numerical value discussion	1
Subscriber Feedback	Inverse Fisher Transform with B & Q indicators	4
More Ratchet Stop Formulas	More on ratchet-action trailing stop formulas	5
Question Answered	Enhanced System Tester issue	7
Need More Than 6 Inputs?	Entering two or more values per Input() function	7
Trading The SPY	One approach to trading the SPY	11
Tip – Windows options affecting MS	Windows options can affect MetaStock	18

May 2005		
Optimization Outside EST	Overcoming EST code size limitation	1
Advance/Decline Explorations	Creating historical advance/decline data	3
Installing DLLs Manually	Manually installing DLLs into MetaStock	5
Questions Answered	Various	6
Tip – Filtering out non-current securities	Filtering out securities lacking current data	7
A Stock Trading Strategy	Strategies for trading stocks	8

June 2005		
Basics – EOD & Other Timeframes	Discussion on data periodicities	1
Questions Answered	Various	5
Tip – Periodicity button	Periodicity button at bottom of chart display	9
Ranking By Best in Portfolio	Ranking historical data for back-testing	9
Questions About A Trading Strategy	Questions on contributors strategy	13
A 30-Minute SMA for Intraday Charts	30-minute SMA for shorter periodicity charts	18

July 2005		
Weekly Formulas – 2	Building weekly indicators for daily charts	1
Tip – A Date Filter	Date Filter indicator is a must-have tool	5
Inside The Date Filter	Code for Date Filter explained	6
Catching A Falling Knife – 1	Forex trading, Part 1	7
Commented Weekly MACD Formula	Weekly MACD indicator for EOD data explained	11
Trade Equity Overview	Overview of the Trade Equity indicator family	12

August 2005		
Weekly Formulas – 3	More on weekly indicators for EOD charts	1
Is This Your Entry?	Modified PS Fractal Trading System entry	4
Tip – TradeSim	Introducing TradeSim	9
Question Answered	HHV() and LLV() functions for weekly indicators	10
Catching A Falling Knife – 2	Forex trading, Part 2	11

September 2005		
Intraday Timing Signals	Frame timing for simulating higher timeframes	1
Questions & Answers	Various	5
Trading Weekly Systems	Advantages of trading weekly systems	7
A Weekly Breakout System	Weekly breakout system for the ASX	11
Tip – Counting with an exploration	Counting, Advance/Decline data scan	14

October 2005		
Trend, Counter Trend, and Index systems	On trading systems	1

November 2005		
Longer Timeframe Indicators	Indicators for longer timeframes on intraday data	1
Questions & Answers	Coding profit targets for TradeSim	5
Other Correspondence	Update on Premium Data from Richard Dale	10
Creating Advance/Decline History Files	Exploration for creating A/D history files	11
Using Trade Equity	Short user guide for Trade Equity tools	13

December 2005		
Formula-Based MetaStock Tools – 1	Introduction to formula-based MetaStock tools	1
Removing PREV From B & Q Indicators	Eliminating PREV from B & Q indicators	5
A Portfolio Equity Curve	Creating portfolio equity curve with Trade Equity	7
Questions & Answers	Various	10
Trade Equity – 3	Trade Equity code snippets	12

January 2006		
MetaStock Tools – 2	Expert Advisor, Enhanced System Tester	1
Going Straight – 1	Drawing lines with code	3
Tip – Buy & Sell on Same Bar	Buy and Sell on the same bar with EST	6
Questions Answered	Incorrect reference to DLLs for B & Q indicators	7
Simulation Functions	Simulation functions listed, with comments	9
Trade Equity – 4	More on Trade Equity code elements	11

February 2006		
Removing PREV From Darvas Code	Removing PREV from Guppy's Darvas Box formulas	1
Tip – Eliminating N/A bars	Simple method of eliminating N/A bars	3
Questions Answered	Various	4
Drawing a Simple Triangle	Taking line drawing one step further (two lines)	5
Trading System Development Tools	System development, by Jose Silva	8

March 2006		
Impressions of the Forum DLL	Forum DLL features	1
Part 2 – Trading with Solid Foundations	Trading foundations, by Jose Silva	8
Question Answered	Accessing the Security() function	12
A Weekly Aroon Indicator	Weekly Aroon for EOD data	13
More Kaufman's AMA Formulas	Kaufman's AMA selection for higher timeframes	17

April 2006		
Whole Shares for E Trade Equity Indicators	Partial or whole share option for Trade Equity LE	1
Tip – More than 50 Input() characters	Displaying more than 50 Input() function characters	6
A System For Trading Sector Funds / ETFs	Trading ranked funds and EFTs, by Harry Ward	7
Revisiting The Portfolio Equity Curve	Features added to TE Portfolio Equity Curve tool	16

May 2006		
Plotting Risk with Trade Equity	Features added to Trade Equity Display tool	1
Tip – Filtering Black-Box Systems	Adding your filter to EST "black-box" systems	4
Annual Performance with Trade Equity	New features added to Trade Equity Display	5
Questions & Answers	Various	7
Formula Adjustment for Funds System	Correction to fund system ranking method	8
Modified Daily Pivot Levels for Forex	Daily pivot levels for trading Forex intraday	9

June 2006		
Defining Strategy, System, Position Size – 1	Systems discussion by Jim	1
Understanding Init	Creation and use of "Init" code	16
Rearranging Percentage	Efficient way of writing "percentage" code	21
Questions Answered	Various	21
Hayseed's Tip	Tip from Hayseed	23

July 2006		
Defining Strategy, System, Position Size – 2	Systems discussion by Jim continued.	1

August 2006		
Logic And MetaStock – Basics 6	Fundamental elements of MFL logic	1
Macros For Metastock	Using macros with MS, by Charles Warren	8
Questions on Defining the Strategy	Jim answers questions on his Strategy articles	13
Regular Question & Answer	Accessing ERSA values for a specific index	21

September 2006		
Paper Trading an ASX System	Paper trading the ASX system presented in Sep 2005	1
Coding Stops For The EST	Coding stops for the EST	5
Current Date Annual Return (TE LE)	Rolling annual return feature for Trade Equity LE	9
Tip – Making global variables available	Making GV global variables available	13
Question & Answer	Building a weekly Ehlers Distant Coefficient Filter	15

October 2006		
MetaStock 10	Assessing new features in MetaStock V.10	1
Paper Trading an ASX System – Update	System paper trading results update	4
The Myth of Fibonacci Numbers	Critical look at Fibonacci numbers	5
A Linear Regression Trend Line	Tool for drawing Linear Regression trend lines	7
Tip – Converting N/A results to zero	Converting N/A exploration results to zero	9
A Sentiment Indicator	Sentiment indicator as presented in Aug 2006 TASC	10
Questions Answered	Various	14

November 2006		
Calibrating ERSA?	Creating neutral reference value for SpyGlass ERSA	1
Trading Psychology, by Gary Dayton	Controlling the mental & emotional side of trading	4
Paper Trading an ASX System – Update	System paper trading results update	8
Adjusting Invalid Data	Checking that portfolio data is valid for GV DLL use	9
Questions & Answers	Various	14
Percentage Exit Stops	Percentage exit stops	16

December 2006		
RMO Rumbblings	Secrets of the RMO system formulas	1
An EST Portfolio Equity Curve	Borrowing TE code to generate EST equity curve	3
Paper Trading an ASX System – Update	System paper trading results update	7
Questions & Answers	Various	8
Building a Sentiment Indicator	Sentiment indicator based on Nasdaq 100	10
Trade Equity GV DE (Dual)	Combined Long & Short version of Trade Equity (DE)	14

January 2007		
An Alternative Portfolio Equity Curve	Portfolio equity curve from TE & Security() function	1
Paper Trading an ASX System – Update	System paper trading results update	5
Questions & Answers	Various	6

Reviewing PREV in Weekly Indicators	PREV problems with weekly indicators (later resolved)	7
More on PREV	More examples of PREV usage	9
Percentage Exit Stops – V2	Percentage exit stop revisions	11
RMO Oscillator Equivalents	Clarifying RMO formula issues from Dec 2006 MSTT	12

February 2007		
Percentage Exit Stops (Version 2)	Fully functional version of percentage exit stop	1
Paper Trading an ASX System	System paper trading results update	6
A TSX Weekly System	Weekly trading system for the TSX	7
Questions & Answers	Various	10
Another Sentiment Indicator Style	Response to question about % of portfolio > MA50	14

March 2007		
Tech Trader EOD System – 1	Longer term daily ASX system, by Tech/A	1
Question & Answer	Counting historical events with the Explorer	3
Paper Trading an ASX System	System paper trading results update	4
Revised Ranking Tools	Expansion of ranking tool's capabilities	5
Trade Equity Display Updates	Minor bug in the TE Display modules fixed	10
Copying Code From Adobe Applications	Transferring code from Adobe Reader to MetaStock	12
Accelerator Keys for MetaStock	MetaStock keyboard shortcuts (repeat)	13
Quick Tips	Effective tips for easier MS coding	14

April 2007		
Spicing Up Turtle Soup – 1	Systems development and testing, by Jim	1
Paper Trading Lessons	System paper trading results update	15
Tech Trader Comments & Code	Tech Trader system – part 2	18
Questions & Answers	Various	20
Chart Pattern Recognition?	Link to OmniTrader's Chart Pattern Recognition	20

May 2007		
Spicing Up Turtle Soup – 2	More on systems development and testing, by Jim	1
More On Going Straight	Drawing trend lines, and more	15
A Weekly CCI Formula	Discrete code for EOD and weekly CCI formula	20
Paper Trading Update	System paper trading results update	23
Time In The Market	How time in the market can affects results	24

June 2007		
Formula Rework	Comments on various longer timeframe formulas	1
Revisiting Weekly CCI	Changes to the May 2007 weekly CCI formula	3
N/A and Some Useful DLLs	Using DLL functions to eliminate N/A results	4
Modified Trade Equity Excel Macro	Revised Excel macro for summing TE results	9
Monthly RSI Indicators	Monthly RSI for daily or weekly charts	10
Weekly Average or Mean for EOD Data	Generating weekly average or mean from EOD data	12
Paper Traded System Update	Changes to the paper traded system	14

August 2007		
Tools For Guppy's MMAs	Guppy MMA tools, by Ron Berlin	1
Questions & Answers	Various	17

October 2007		
Heikin-Ashi Templates	Heikin-Ashi templates & simulated HA candlesticks	1
Weekly Linear Regression & Slope	Problems with discrete code for Linear Regression	6

Maintaining 52-Week New Highs & Lows	Maintaining New Highs/New Lows data	10
Broad Market Indicators For Premium Data	Broad market indicators adapted for Premium Data	13
Questions & Answers	Various	20

December 2007		
Question & Answer	Different colors for up and down sections of plot	1
MSTT Formula Language Tutorial	MFL tutorial works through Trade Equity code	2-105

February 2008		
Trading Risk	Extensive article on trading risk, by Jim	1
Guppy's Maximum Chase Line	Another Guppy tool, by Ron Berlin	20
Simple Equity Curve	Simple portfolio equity curve	22
Questions & Answers	Various	23

April 2008		
Alternate Histories, Jon Jonelis	A Visual Comparison of Randomness	1
Calendar Days Back	Convert calendar days look-back to trading days	11
Multiple Timeframe Prices (OHLC & S/R)	Forerunner to Multi-Frame indicators	14
A More Functional Line	Coding trend lines, by Ron Berlin	19
Question Answered	Finding stocks hitting particular price points	21

June 2008		
Capturing Events – 1	Identifying and capturing events	1
Multi-Frame Formulas Update	Expanding Multi-Frame range of formulas	7
TradeSim External Functions for MetaStock	TradeSim external function listing	9
Optimizing With TradeSim	Coaxing TradeSim to "optimize" your system code	10
Questions Answered	Various	14
Hard Dollar Stop for the EST	Configure EST to execute a "hard dollar stop"	15

August 2008		
Clouds and Floating Lines	Ichimoku Kinko Hyo discussion, by Ron Berlin	1
Multi-Frame Indicators – Update 2	Code correction to Multi-Frame timing module	4
Volume By Price	Horizontal histogram "volume-by-price" indicator	4
Some Frequently Asked Questions	A selection of tips, by Ron Berlin	8
Another Question Answered	Plotting an annual rate of return	13

October 2008		
A Basic EOD System	Daily system & MS 6.52 Trade Equity test code	1
An Alternative Shading Method	Alternative shading method, by Jose Silva	8
Multi-Frame Intraday Indicators	Multi-Frame indicators for all intraday charts/data	9
A Useful Diagnostic Approach	Testing accuracy of one formula relative to another	15
More Multi-Frame Intraday Indicators	28 separate Multi-Frame intraday indicators	18

December 2008		
SpyGlass/FIRE ERSA Simulation	Simulating SpyGlass/FIRE ERSA rankings	1
A "Current Value" Function	An effective (but slow) "Current Value" function	4
Removing PREV From HACO	PREV removed from Heiken-Ashi Candlestick Oscillator	7
Questions Answered	Using Weekly IFT of RSI in a daily exploration	10
Multi-Frame X Intraday Formulas	31 extended intraday Multi-Frame indicators	12

February 2009		
The End of the Road?	Editorial signaling the pending demise of MSTT	1

Capturing Events – 2	Second in series on identifying and capturing events	2
Multi-Frame Formula Updates	More Multi-Frame formula updates	7
Questions Answered	Various	9
Vertical Horizontal Filter	VHF MFL formula and Multi-Frame equivalents	12

April 2009		
Multi-Frame Makeover	Forum DLL put to new use with Multi-Frame EMAs	1
Questions Answered	Various, including buy & sell on same bar in EST	5
Trend-Noise B & Q Indicators Revisited	B & Q indicator revisions, by Scott Bunny	10
PREV Removed from Dated Ratchet Stop	Feedback on PREV removal, by a subscriber	18
Modified Multi-Frame Formulas	PREV removed from all Multi-Frame EMA code	20-61

June 2009		
MSTT Results-Count Scan	Counting items across all explored securities	1
Multi-Frame Usage	Quick user guide for Multi-Frame formula usage	7
Multi-Frame Glitch	Eureka moment, the disappointment, the solution	9
Multi-Frame Stochastic Premier	Multi-Frame version of Stochastic Premier	10
Multi-Frame Compression & Uses	Displaying compressed higher timeframe on any chart	11
Alternative Date Filter	An alternative date filter presented.	16
EOD Multi-Frame Updates	More Multi-Frame updates	17-32

August 2009		
Double Tops & Double Bottoms	Double Tops & Double Bottoms, by Ron Berlin	1
Enhanced ERSA Simulation	Improvements on first version of ERSA Simulation	6
Alpha & Beta Indicators Updated	Alpha and Beta indicators made more user friendly	8
MSTT Traders Toolbox – 1	Profit Tracker indicators for EOD & intraday charts	9
Recent Reading – Breakthrough Trading	Reviewing Leon Wilson's Breakthrough Trading	11
A Weekly S&P600 System	US System using Breakthrough Trading concepts	12
Date Filter Difficulty	Glitch with new date filter	17

October 2009		
Compressed Multi-Frame MA Functions	Multi-Frame compression demonstrated	1
Break-Through Trading Formulas	Links to Wilson's Breakthrough Trading formulas	2
A Weekly ASX System	ASX System using Breakthrough Trading concepts	3
Multi-Frame Offsets	Offset added to EOD Multi-Frame code for Middle East	7
Various Other Projects	Dema, Tema and Zero Lag formulas discussed	9

December 2009		
Reporting Via An Expert Advisor (TE)	Reporting Trade Equity scan results via an expert	2
Modified Turtle Soup	Code for Active Trader's Modified Turtle Soup	6
MetaStock 11 Adaptive Functions	Performance issues with MS11 adaptive functions	9
Adaptive Functions and ZigZag	Potentially bogus results from adaptive functions?	12
Weekly Wilson Indicators	Multi-Frame versions of two Wilson formulas	13
Daily/Weekly Price Divergence	Catching divergences between daily & weekly data	15
Miscellaneous MetaStock Formulas	Various new formulas for MSTT subscribers	17-29

March 2010		
Multi-Frame Compression/Expansion	Using MetaStock standard functions in M-F format	1
Expert Commentary Correction	A correction to December's TE Results Commentary code	3
Question & Answer	Using daily Multi-Frame +DI & -DI on 60-minute charts	8
MS11 Adaptive Formulas Without PREV	Removing PREV from most MS11 adaptive indicators	9

August 2010		
Trade Equity Updates	Adding to and improving the functionality of Trade Equity	1
MSTT Weekly Trading Systems	A collection of weekly systems for Aus and US markets	7
Is This Possible With MetaStock	Plotting a line in alternating colors	22
Substituting Trailing N/A Results	How to substitute real values for N/A plots	24
Adaptive Formula Updates	Removing PREV from most MS11 adaptive indicators	25

December 2010		
Expanding the MSTT Toolbox	Generating virtual EST summary report commentaries	1
Start Date Signals	Generating "trigger" dates that don't fail with missing data	3
S&P 500 Overbought/Oversold	Creating OB/OS history & updates for liquid portfolios	8
Trade Equity Indicator Updates	Updates for all Trade Equity formulas	23-28
Multi-Frame Indicator Updates	Updates and additions for several Multi-Frame indicators	29-33
Power Systems Indicators for On-chart Reports	Power System indicators adapted for new MSTT tools	34-38

April 2011		
Multi-Frame Tutorial	Explaining a Multi-Frame indicator line by line	1-14
A Bar Counter Improvement?	Adding a Last Value to bar count indicator	15
Multi-Frame Parameters Explained	How to use Multi-Frame indicator parameters	16
Multi-Frame DTOsc Indicator	Robert Miner's Dynamic Trader Oscillator for MetaStock	17
Alternative P Indicator Prices	How to use the P indicator with prices other than CLOSE	18
Trade Equity GV LE / SE Changes	Explaining recent changes to Trade Equity indicators	18-22
Trade Equity Display Modules	Explaining the range of Trade Equity display modules	23-28
Trade Equity GV DE (Dual)	Explaining updates to Trade Equity Dual indicators	29-32
Trade Equity Portfolio Summaries	Introducing a new set of TE-based portfolio summaries	33-41