



S-Trader





STCMACD | Schaff Trend Cycle (MACD)

Contents

Description	3
Formula	3
Parameters	3
Output value(s)	5
Plot	5
Quant Script™ Syntax	5
Dialogs	6
Chart Study Dialog	6
Sample Chart With Study	7
Quant Script™ Wizard Study Dialog	8
Quant Script™ Study Dialog	9



Description

The Schaff Trend Cycle Indicator (SCT) is the product of combining Slow Stochastics and the Moving Average Convergence / Divergence (MACD). The MACD has a reputation to be a trend indicator, yet it has an equal reputation to be lagging due to its slow responsive signal line. The improved signal line gives the STC its relevance as an early warning sign to detect trends.

Formula

Step 1: Calculate the MACD using the specified source, cycle lengths and moving average types

Step 2: Calculate the %K of the MACD using the Stochastics

Step 3: Calculate then the %D on the value at step 2

Step 4: Calculate PF = %K on the value at Step 3

Step 5: STC = % D on the value calculated at Step 4

Parameters

Short Cycle	Any number of periods
Short Cycle MA Type	Any available moving average type
Long Cycle	Any number of periods
Long Cycle MA Type	Any available moving average type



Signal Periods	Any number of periods
Signal MA Type	Any available moving average type
K Periods S01	Any number of periods
%K Periods S01	Any number of periods
%D Periods S01	Any number of periods
%K Slowing MA Type S01	Any available moving average type
%D Slowing MA Type S01	Any available moving average type
K Periods S02	Any number of periods
%K Periods S02	Any number of periods
%D Periods S02	Any number of periods
%K Slowing MA Type S02	Any available moving average type
%D Slowing MA Type S02	Any available moving average type



Output value(s)

There is one output value resulting from the formula, the Schaff Trend Cycle MACD.

Plot

The plot is in a separate panel at the bottom.

Quant Script™ Syntax

Short Form	<i>STCMACD</i> (Short Cycle, Short Cycle MA Type, Long Cycle, Long Cycle MA Type, Signal Periods, Signal MA Type, K Periods S01, %K Periods S01, %D Periods S01, %K Slowing MA Type S01, %D Slowing MA Type S01, K Periods S02, %K Periods S02, %D Periods S02, %K Slowing MA Type S02, %D Slowing MA Type S02)
Long Form	<i>SchaffTrendCycleMACD</i> (Short Cycle, Short Cycle MA Type, Long Cycle, Long Cycle MA Type, Signal Periods, Signal MA Type, K Periods S01, %K Periods S01, %D Periods S01, %K Slowing MA Type S01, %D Slowing MA Type S01, K Periods S02, %K Periods S02, %D Periods S02, %K Slowing MA Type S02, %D Slowing MA Type S02)



Dialogs

Chart Study Dialog

Schaff Trend Cycle MACD

Indicator Parameters

Source	^EURUSD.close
ShortCyclePeriod	5
ShortCycleMaType	Weighted
LongCyclePeriod	8
LongCycleMaType	Simple
SignalPeriods	7
SignalPeriodsMaType	Welles Wilder Smoothing
KPerSO1	13
prcKPerSO1	8
prcDPerSO1	5
PrckSlowingMaTypeSO1	Simple
PrcDSlowingMaTypeSO1	Weighted
KPerSO2	8
prcKPerSO2	5
prcDPerSO2	3
PrckSlowingMaTypeSO2	Weighted
PrcDSlowingMaTypeSO2	Welles Wilder Smoothing

Series Configuration

Main Line Solid 3

Save as Default Setting

Add Cancel

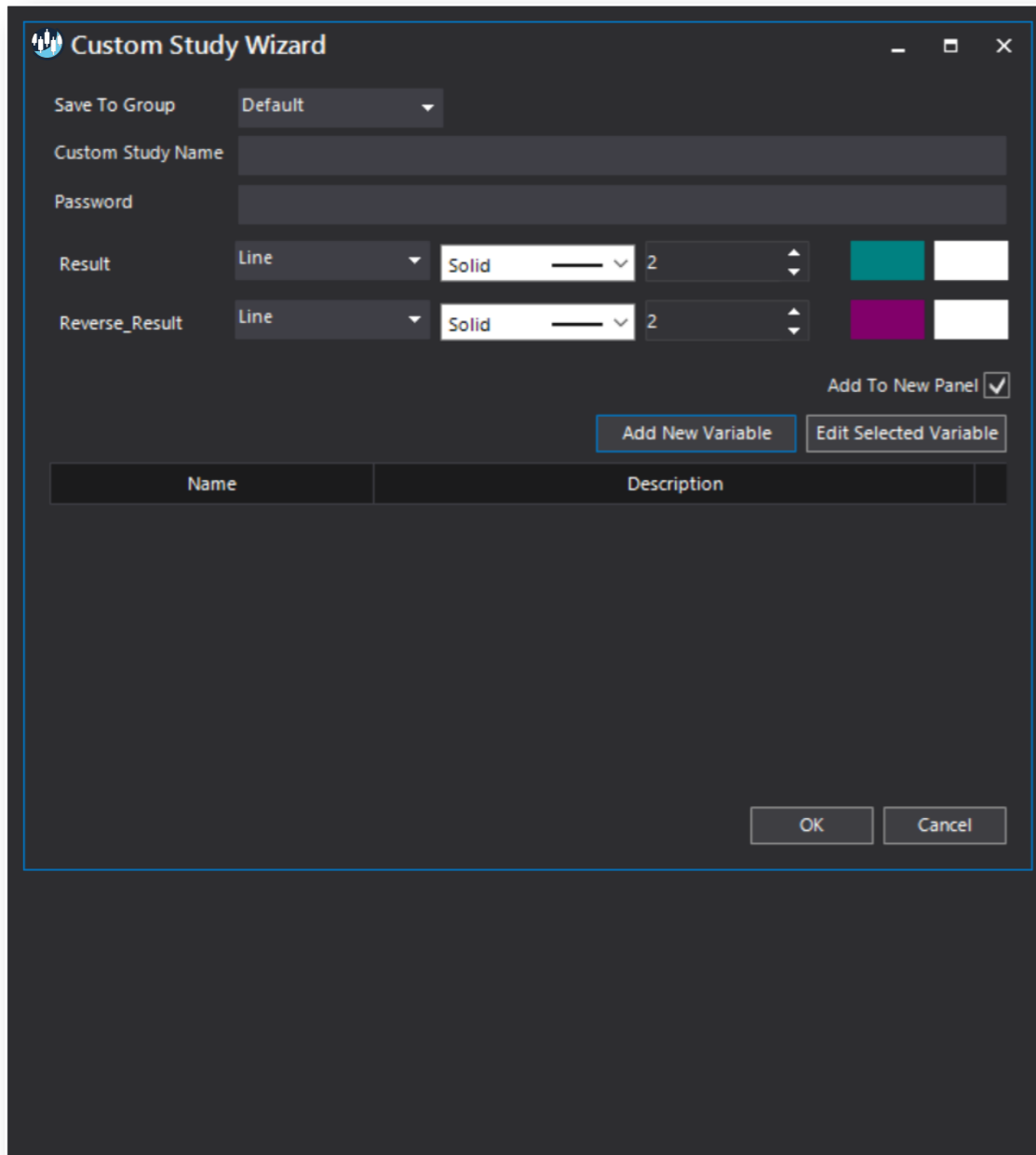


Sample Chart With Study





Quant Script™ Wizard Study Dialog



Custom Study Wizard

Save To Group: Default

Custom Study Name: _____

Password: _____

Result: Line, Solid, 2, [Color swatches]

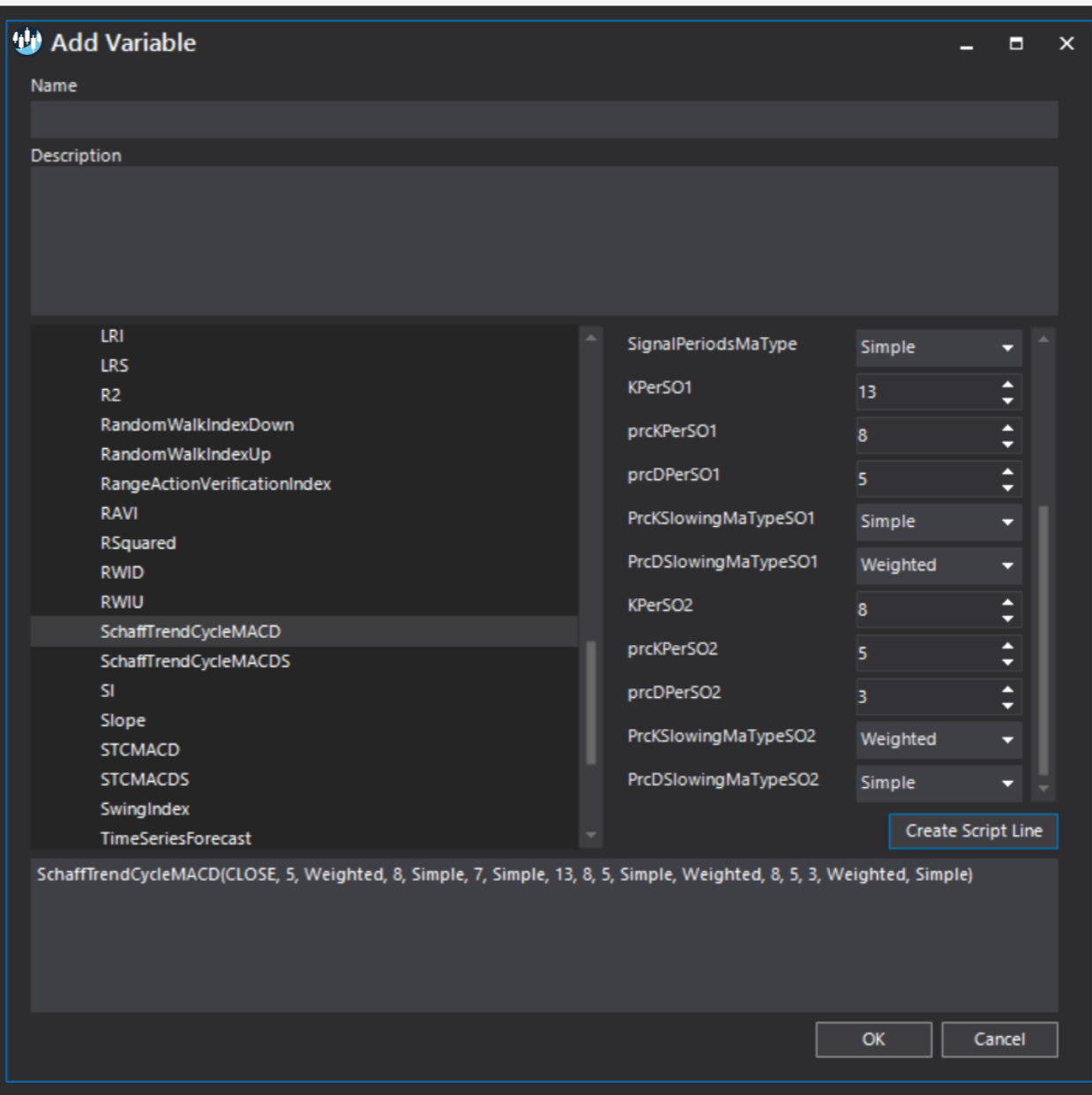
Reverse_Result: Line, Solid, 2, [Color swatches]

Add To New Panel

Add New Variable Edit Selected Variable

Name	Description

OK Cancel



Add Variable

Name: _____

Description: _____

LRI	SignalPeriodsMaType	Simple
LRS	KPerSO1	13
R2	prcKPerSO1	8
RandomWalkIndexDown	prcDPerSO1	5
RandomWalkIndexUp	PrcKSlowingMaTypeSO1	Simple
RangeActionVerificationIndex	PrcDSlowingMaTypeSO1	Weighted
RAVI	KPerSO2	8
RSquared	prcKPerSO2	5
RWID	prcDPerSO2	3
RWIU	PrcKSlowingMaTypeSO2	Weighted
SchaffTrendCycleMACD	PrcDSlowingMaTypeSO2	Simple
SchaffTrendCycleMACDS		
SI		
Slope		
STCMACD		
STCMACDS		
SwingIndex		
TimeSeriesForecast		

Create Script Line

SchaffTrendCycleMACD(CLOSE, 5, Weighted, 8, Simple, 7, Simple, 13, 8, 5, Simple, Weighted, 8, 5, 3, Weighted, Simple)

OK Cancel



Quant Script™ Study Dialog

Custom Study Editor [X]

Save To Group: 5_TREND INDICATORS [v] A 15.25 [v]

Custom Study Name: STCMACD

Password: []

Result: Line [v] Solid [v] 2 [v] [Color swatches: teal, white]

Reverse_Result: Line [v] Solid [v] 2 [v] [Color swatches: purple, white]

Formula Add To New Panel

```
SET RESULT = STCMACD(CLOSE, 5, Weighted, 8, Simple, 7, Simple, 13, 8, 5,
Simple, Weighted, 8, 5, 3, Weighted, Simple)

SET REVERSE_RESULT = SchaffTrendCycleMACD(CLOSE, 5, Weighted, 8, Simple, 7,
Simple, 13, 8, 5, Simple, Weighted, 8, 5, 3, Weighted, Simple)
```

[OK] [Cancel]