

How it calculates and works?

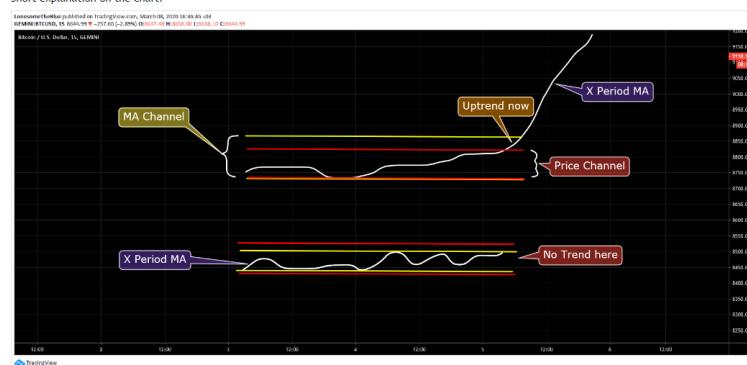
On each bar it creates a channel by highest/lowest point of a MA. highest point is upper point and lowest point is lower point of the MA channel, It gets highest and lowest point of last 300 bars, (say **Price Channel**)

If the width of MA channel is greater than certain rate of **price channel** then it decides there is trend

After it decided there is trend, it calculates the rate between channel and MA. Bigger result means stronger trend.

According to rate of MA channel and the **price channel**, bar color becomes lighter/darker, so when you look at the bar color you can see the trend strength.

Short explanation on the chart:



Also by changing channel or size other options (such MA length etc) you can see congestion zones/areas:



Another one, about trend direction and its strength:





Options:

You can choose following MA types as source: **EMA** , **SMA** , **RMA** , **WMA** , **VWMA**
Period to Check Trend is the period to create MA channel. Bigger period cause more sensitivity.
MA Period is the Length of the MA that will be checked
Trend Channel Rate % is rate of **price.channel** . **Price channel** created by using highest/lowest of last 300 bars. I did this to make the script works on all time frames correctly.
Use Linear Regression is used to get rid of noise. It may cause 1-2 bars latency. (I use it)

The idea was created by [LonesomeTheBlue](#).

Enjoy!

Mar 31, 2020 Sürüm Notları: Added Alerts for:

- Trend is UP
- Trend is DOWN
- No Trend

Eki 2, 2021 Sürüm Notları: warning fixed.

[Website](#)

Açık kaynak kodu komut dosyası

Güçlü TradingView kullanıcı, bu bettinin yazarı, yatırımcının erişebilmesi ve doğrulanabilmesi için onu açık kaynak olarak yayınladı. Yazarı etine sağılıklı Bunu ücretsiz olarak kullanabilirsiniz, ancak bu kodun bir yanında yenden kullanıma [Kullanım Koşulları](#) ile yönetilir. Bir grafikte kullanmak için favorilere eklebilirsiniz.

Feragatname

Bilgileri yayınlar, TradingView tarafından sağlanan veya onaylanan finansal, yatırım, işlem veya diğer türden tavsiye veya tavsiyeler anlamanı gelmez ve teşkil etmez. [Kullanım Şartları](#)nda daha fazlasını okuyun.

Bu komut dosyasını bir grafikte kullanmak ister misiniz?

★ Favori göstergelere ekle

```

1 // This source code is subject to the terms of the Mozilla Public License 2.0 at https://mozilla.org/MPL/2.0/
2 // © LonesomeTheBlue
3
4 //VERSION4
5 study("Trend Follower", precision=0)
6 matypes input('MA', title = "MA Type", options =['EMA', 'SMA', 'RMA', 'WMA', 'VWMA'])
7 prd = input(20, title = "Period to Check Trend", minval = 5)
8 maprd = input(20, title = "MA Period", minval = 2)
9 rateinp = input(1, title = "Trend Channel Rate %", minval = 0.1, step = 0.1)
10 ulinreg = input(true, title = "Use Linear Regression")
11 linprd = input(5, title = "Linear Regression Period", minval = 2)
12
13 rate = rateinp / 100
14 pricerrange = highest(280) - lowest(280)
15 chan = pricerrange * rate
16
17 gettrend(len)=>
18   masrc = matype == 'EMA' ? ema(close, len) : matype == 'RMA' ? rma(close, len) : matype == 'VWMA' ? vema(close, len) : matype == 'WMA' ? wma(close, len) : sma(close, len)
19   ma = ulinreg ? linreg(masrc, linprd, 0) : masrc
20
21   hh = highest(ma, len)
22   ll = lowest(ma, len)
23   diff = abs(hh - ll)
24
25   trend = iff(diff > chan, iff(ma > ll + chan, 1, iff(ma < hh - chan, -1, 0)), 0)
26   _ret = trend * diff / chan
27   _ret
28
29 trend = gettrend(maprd)
30
31 trandchanged = trend - n(trend)
32 tcol = trend > 0 ? trandchanged > 0 ? #00FF00ff : trandchanged <= 0 ? #00FF006f : #00FF00af :
33 trend < 0 ? trandchanged < 0 ? #FF0000ff : trandchanged >= 0 ? #FF00006f : #FF0000af : na
34
35 plot(trend, color = tcol, style = plot.style_columns)
36
37 alertcondition(trend > 0, title = 'Trend is UP', message = 'Trend is UP')
38 alertcondition(trend < 0, title = 'Trend is DOWN', message = 'Trend is DOWN')
39 alertcondition(trend == 0, title = 'NO TREND', message = 'NO TREND')
40
41

```

Yorumlar



Yararlı veya teşvik edici bir yorum bırakın. Piyasalarla birlikte hâkim olalım

⌚ Alıntıları yorum

Yorum Paylaş

RobotElvis PREMIUM · Mar 29, 2020 ⌚ #
Great! thank you

+2 ▲ Cevap Gönder

q328314167 · Mar 26, 2020 ⌚ #
nice work

+2 ▲ Cevap Gönder

W wagla_21 · Nis 15, 2020 cœ

Thanks for this Great work!
Can you add divergence line with respect to price in indicator.
i.e if price go higher in indicator make lower low?

+1 ▲ Cevap Gönder

LonesomeTheBlue WIZARD · Nis 15, 2020 cœ

@wagla_21, if I have time this month I can do this.

▲ Cevap Gönder

W wagla_21 · Nis 15, 2020 cœ

@LonesomeTheBlue, Thank you for consideration!

▲ Cevap Gönder

S skook7 · Mar 22, 2020 cœ

thank you

+1 ▲ Cevap Gönder

LonesomeTheBlue WIZARD · Mar 22, 2020 cœ

@skook7, you are welcome

▲ Cevap Gönder

A ahmetk072 · Mar 21, 2020 cœ

thank you

+1 ▲ Cevap Gönder

LonesomeTheBlue WIZARD · Mar 22, 2020 cœ

@ahmetk072, you are welcome

▲ Cevap Gönder

G JoshuaMcGowan PREMIUM · Mar 21, 2020 cœ

as always, great work sir!

+1 ▲ Cevap Gönder

LonesomeTheBlue WIZARD · Mar 22, 2020 cœ

@JoshuaMcGowan, thank you!

▲ Cevap Gönder

S syrinxfunki PREMIUM · Mar 21, 2020 cœ

Lush

+1 ▲ Cevap Gönder

LonesomeTheBlue WIZARD · Mar 22, 2020 cœ

@syrinxfunki, thanks a lot

▲ Cevap Gönder

T TheMonkTrader PRO+ · Eki 2, 2021 cœ

Truly genius!

▲ Cevap Gönder

T TheMonkTrader PRO+ · Eki 1, 2021 cœ

Awesome!

▲ Cevap Gönder

G GeorgePeng PRO+ · Haz 16, 2020 cœ

it look like sqz momentum, how is that different

▲ Cevap Gönder

R reneeresh1 · Nis 28, 2020 cœ

Thank you lord of code for this amazing work, please can you bring us a script more like Martin trend meter. We are grateful and thankful Sir.

▲ Cevap Gönder

V vganda PRO · Nis 23, 2020 cœ

i would like to plot macd on top of this chart how can i do that.

▲ Cevap Gönder

U UnknownUnicorn7226877 · Nis 1, 2020 cœ

What temporality is better to use?

▲ Cevap Gönder

LonesomeTheBlue WIZARD · Nis 10, 2020 cœ

@JOSEPHgigion11, it works on all time frames, generally I think 15 min or higher time frames may be better

▲ Cevap Gönder

G genesis42 · Nis 30, 2020 cœ

@LonesomeTheBlue, super stuff. Your contributions to TV are immense.

+2 ▲ Cevap Gönder