



Volatility Moving Averages Linear Regression Trend Line Break trendreversal linear-regression breakout support Supply Zone ⚡ 82 🔍 8593

trendtrading lonesomeblue

Ara 15, 2020 Hello Traders,

There are several nice **Linear Regression Channel** scripts in the Public Library, and I tried to make one with some extra features too. This one can check if the Price breaks the channel and it shows where it is broken. Also it checks the momentum of the channel and shows it's increasing/decreasing/equal in a label, shape of the label also changes. The line colors change according to direction.

using the options, you can;
 - Set the Source (Close, H12 etc)
 - Set the Channel length
 - Set Deviation
 - Change Up/Down Line colors
 - Show/hide broken channels
 - Change line width

meaning of arrows:

↑ : Uptrend and moment increasing
 ↗ : Uptrend and moment decreasing
 ↓ : Downtrend and moment increasing
 ↘ : Downtrend and moment decreasing
 ⇒ : No trend

An example for how color of lines, arrow direction and shape of label change.



Enjoy!

Ara 15, 2020 ● **Sürüm Notları:** Added an option "Show Fibonacci Levels", it can show Fibonacci levels of the channel, and also added alert (before someone asked me to add alert :)

Example: Fibonacci Levels





Eyl 29, 2021 ● **Sürüm Notları:** Two new alerts added:

- > Up trend
- > Down trend
- (users request)

Eki 4, 2021 ● **Sürüm Notları:** added color option for broken lines

[Website](#)

Açık kaynak kodlu komut dosyası ⓘ

Genuine TradingView ruhuyla, bu betiğin yazarı, yarımçımcı anlayılabilirliği ve doğrulanabilirliği için onu açık kaynak olarak yayınladı. Yazarın eline sağlık! Bunu ücretsiz olarak kullanabilirsiniz, ancak bu kodun bir yanında yeniden kullanımları [Kullanım Koşulları](#) ile yönetilir. Bir grafikte kullanmak için favorilere ekleyebilirsiniz.

Feragatname

Bilgiler ve yayınlar, TradingView tarafından sağlanan veya onaylanan finansal, yatırım, işlem veya diğer türden tavsiye veya tavrıslar anlamlı 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 // @version=4
5 study("Linear Regression Channel", overlay = true, max_bars_back = 1000, max_lines_count = 300)
6 src = input(defval = close, title = "Source")
7 len = input(defval = 100, title = "Length", minval = 10)
8 devlen = input(defval = 2., title = "Deviation", minval = 0.1, step = 0.1)
9 extendit = input(defval = true, title = "Extend Lines")
10 showfibo = input(defval = false, title = "Show Fibonacci Levels")
11 showbroken = input(defval = true, title = "Show Broken Channel", inline = "brk")
12 brokencol = input(defval = color.blue, title = "", inline = "brk")
13 upcol = input(defval = color.lime, title = "Up/Down Trend Colors", inline = "trcols")
14 dncol = input(defval = color.red, title = "", inline = "trcols")
15 wint = input(defval = 3, title = "Line Width")
16
17 var fibo_ratios = array.new_float(0)
18 var colors = array.new_color(2)
19 if barstate.isfirst
20     array.unshift(colors, upcol)
21     array.unshift(colors, dncol)
22     array.push(fibo_ratios, 0.236)
23     array.push(fibo_ratios, 0.382)
24     array.push(fibo_ratios, 0.618)
25     array.push(fibo_ratios, 0.786)
26
27
28 get_channel(src, len)-
29     mid = sum(src, len) / len
30     slope = llnreg(src, len, 0) - llnreg(src, len, 1)
31     intercept = mid - slope * floor(len / 2) + ((len % 2)) / 2 * slope
32     endy = intercept + slope * (len - 1)
33     dev = 0.0
34     for x = 0 to len - 1
35         dev := dev + pow(src[x] - (slope * (len - x) + intercept), 2)
36     dev := sqrt(dev/len)
37     [intercept, dev, slope]
38
39 [y1_, y2_, dev, slope] = get_channel(src, len)
40
41 outofchannel = (slope > 0 and close < y2_ - dev * devlen) ? 0 : (slope < 0 and close > y2_ + dev * devlen) ? 2 : -1
42
43 var reglines = array.new_line(3)
44 var fibolines = array.new_line(4)
45 for x = 0 to 2
46     if not showbroken or outofchannel != x or nz(outofchannel[1], -1) != -1
47         line.delete(array.get(reglines, x))
48     else
49         line.set_color(array.get(reglines, x), color = brokencol)
50         line.set_width(array.get(reglines, x), width = 2)
51         line.set_style(array.get(reglines, x), style = line.style_dotted)
52         line.set_extend(array.get(reglines, x), extend = extend.none)
53
54     array.set(reglines, x,
55             line.new(x, bar_index - (len - 1),
56                     x, bar_index - dev * devlen * (x - 1),
57                     x0 = bar_index,
58                     y0 = y2_ - dev * devlen * (x - 1),
59                     color = array.get(colors, round(max(sign(slope), 0))),
60                     style = x % 2 == 1 ? line.style_solid : line.style_dashed,
61                     width = wint,
62                     extend = extendit ? extend.right : extend.none))
63
64 if showfibo
65     for x = 0 to 3
66         line.delete(array.get(fibolines, x))
67         array.set(fibolines, x,
68                 line.new(x, bar_index - (len - 1),
69                         x, bar_index - dev * devlen + dev * devlen * 2 * array.get(fibo_ratios, x),
70                         x2 = bar_index,
71                         y2 = y2_ - dev * devlen * devlen * 2 * array.get(fibo_ratios, x),
72                         color = array.get(colors, round(max(sign(slope), 0))),
73                         style = line.style_dotted,
74                         width = wint,
75                         extend = extendit ? extend.right : extend.none))
76
77 var label sidelab = label.new(x = bar_index - (len - 1), y = y1_, text = "S", size = size.large)
78 txt = slope > 0 ? slope : slope[1] ? "P" : "R"
79 stl = slope > 0 ? slope[1] ? label.style_label_up : label.style_label_upper_right : label.style_label_down : label.style_label_lower_right : label.style_label
80 label.set_text(sidelab, txt)
81 label.set_x(sidelab, bar_index - (len - 1))
82 label.set_y(sidelab, slope > 0 ? y1_ - dev * devlen : slope < 0 ? y1_ + dev * devlen : y1_)
83 label.set_color(sidelab, slope > 0 ? upcol : slope < 0 ? dncol : color.blue)
84
85 alertcondition(outofchannel, title='Channel Broken', message='Channel Broken')
86
87 // direction
88 trendisup = sign(slope) != sign(slope[1]) and slope > 0
89 trendidown = sign(slope) != sign(slope[1]) and slope < 0
90 alertcondition(trendisup, title='Up trend', message='Up trend')
91 alertcondition(trendidown, title='Down trend', message='Down trend')
92
93

```

Yorumlar



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

[Göz Atışları yorum](#)

[Yorum Paylaş](#)

-  PineCoders MOD · Oca 11, 2021  
+19 ▲ Cevap Gönder
-  LonesomeTheBlue WIZARD · Oca 11, 2021  
@PineCoders, Thank you!
+8 ▲ Cevap Gönder
-  shawgold PREMIUM · May 4  
+1 ▲ Cevap Gönder
-  harj77singh · Ara 25, 2020  
What would be the best time frame to use this channel
+49 ▲ Cevap Gönder
-  smitty1084 · Oca 8, 2021  
This is awesome, could you explain the blue dotted line indicators. Thanks!
+30 ▲ Cevap Gönder
-  AMae PREMIUM · Nis 8, 2021  
@smitty1084, I was going to ask the same thing, but then I saw if I used the TV tools on the left and put a reg channel from the beginning of the dotted line to the end, it lined up perfectly all the way until it broke the channel. so im guessing from that, ts basically past linear reg channels so u can c where past channels broke and where at. hopefully if im wrong @LonesomeTheBlue will correct me lol :)
+8 ▲ Cevap Gönder
-  LonesomeTheBlue WIZARD · Ağu 12, 2021  
@AMae, yes you are right :)
▲ Cevap Gönder
-  PineCoders MOD · Oca 5, 2021  
This publication is now featured in our Editors' Picks: tradingview.com/scripts/editors-picks/.
In the name of all TradingView traders, thank you for your valuable contribution to the TradingView community, and congrats!
+18 ▲ Cevap Gönder
-  LonesomeTheBlue WIZARD · Oca 6, 2021  
@PineCoders, Thank you!
+3 ▲ Cevap Gönder
-  TradeIQ207 · Ara 15, 2020  
Someone asked me, "Who hurt you?" I replied, "My own Expectations"
You are amazing..... @LonesomeTheBlue
+14 ▲ Cevap Gönder
-  LonesomeTheBlue WIZARD · Eyl 21, 2021  
@TradeIQ207, :)
▲ Cevap Gönder
-  manojm4 · Ara 15, 2020  
Hello , looks wonderful , but what are the blue lines for ? Are they for plotting patterns ?
+11 ▲ Cevap Gönder
-  KingPogi · Oca 14, 2021  
@manojm4, I was going to ask that too. I think can be used for future reference as support or resistance, kinda like gann fan angles. I tried to plot trend lines extended to the right in the previous broken channel lines, somehow they make a connection. I associated it with macd 4H, the bounces off those lines with macd crossing works well. @LonesomeTheBlue correct me if im wrong. :) Thanx for this by the way. great job
+4 ▲ Cevap Gönder
-  LonesomeTheBlue WIZARD · Eyl 21, 2021  
@manojm4, broken lines..
+4 ▲ Cevap Gönder
-  digitalgypsy · Şub 28, 2021  
Has anyone managed to create an alert condition for when a new channel started to the upside?
+5 ▲ Cevap Gönder
-  dybeardedguy007 · Tem 8, 2021  
@digitalgypsy, This Would actually be a wonderful addition to this.
+1 ▲ Cevap Gönder
-  LonesomeTheBlue WIZARD · Eyl 29, 2021  
@digitalgypsy, @dybeardedguy007 done!
▲ Cevap Gönder
-  NXT2017 PREMIUM · Ara 17, 2020  
a dream ... great work!
+5 ▲ Cevap Gönder
-  jaropretender PRO · Ara 15, 2020  
great work...thanks
+4 ▲ Cevap Gönder
-  bbanks · Tem 30, 2021  
@LonesomeTheBlue Never seem to run short of ideas and a creativity. Thanks for creating this masterpiece. Stay blessed man....
+3 ▲ Cevap Gönder
-  rhanss · Ara 15, 2020  

amazing work brother, please add alerts when you have the time.
+3 ▲ Cevap Gönder

 LonesomeTheBlue **WIZARD** · Ara 15, 2020 · ceo ·
@rhanna, added ;)
+3 ▲ Cevap Gönder

 rhanna · Ara 15, 2020 · ceo ·
@LonesomeTheBlue, Thanks mate, you make trading so much fun, keep up the great work.
+4 ▲ Cevap Gönder

 CagriN · Tem 23, 2021 · ceo ·
Bugün keşfettim sizin, çok iyi çalışmalarınız var tebrik ederim !
+2 ▲ Cevap Gönder

 Aktivator **PRO+** · Nis 4, 2021 · ceo ·
An excellent work! Would it be possible to add alarms when the different lines (Reglines and Fibolines) are touched by the market?
+2 ▲ Cevap Gönder

 digitalgypsy · Şub 28, 2021 · ceo ·
You are a bloody genius
+2 ▲ Cevap Gönder

 anandsingh1069 · Oca 15, 2021 · ceo ·
@LonesomeTheBlue this is one of my best script to use, have a suggestion, when the trend is changing or the movement is decreasing, please allow us to see by color, like for up trend we have green and for down trend we have red. If possible let us have one more color option for trend decline or change in movements. Please correct me if I am wrong
+2 ▲ Cevap Gönder

 Confucius-The-Great **PREMIUM** · Oca 6, 2021 · ceo ·
Thanks for the Christmas present :)
+2 ▲ Cevap Gönder

 Vizionary · Oca 4, 2021 · ceo ·
Wow.... Awesome job. Makes life so much easier and analysis faster.
+2 ▲ Cevap Gönder

 Pratik_4Clover · Ara 15, 2020 · ceo ·
Really nice, one little suggestion, you can also add slope or actual regression number to the label alongside arrow. There have been publications about that, might be a nice addition to this :)
+2 ▲ Cevap Gönder

 guntacdurak · Ara 15, 2020 · ceo ·
I am wondering if alternative time zones can be added to the multitimeframe feature
+2 ▲ Cevap Gönder

 FRXMACHNE **PREMIUM** · Ara 15, 2020 · ceo ·
Great work as always.
Thanks
+2 ▲ Cevap Gönder

 Peter43211234 **PRO+** · Eki 2, 2021 · ceo ·
Hiya... this is a great script! love it!
small Q re alerts: how do I use the up trend and downtrend alerts? I can only see 'channel broken' on the create alert dialog box.... many thanks!
+1 ▲ Cevap Gönder

 sahinkpln · Haz 2, 2021 · ceo ·
thank you
+1 ▲ Cevap Gönder

 hasaneke90 · May 8, 2021 · ceo ·
Great Job thanks @PineCoders
+1 ▲ Cevap Gönder

 yapay · Şub 20, 2021 · ceo ·
Çok çok teşekkürler hocam .Kıvanç hocam sayesinde sizin bulundum
+1 ▲ Cevap Gönder

 appface · Şub 18, 2021 · ceo ·
thank you very much , u save beginner trader like me
+1 ▲ Cevap Gönder

 azhe **PRO** · Oca 26, 2021 · ceo ·
Thanks a lot...God Bless
+1 ▲ Cevap Gönder

 stella88 · Oca 25, 2021 · ceo ·
Amazing thank you so much😊
+1 ▲ Cevap Gönder

 GQQuantumTrading · Oca 24, 2021 · ceo ·
Fantastic! Thank you for sharing!
+1 ▲ Cevap Gönder

 Fader5563 **PRO+** · Oca 23, 2021 · ceo ·
great work..thanks
+1 ▲ Cevap Gönder

 fanvntratz **PREMIUM** · Oca 22, 2021 · ceo ·

Another great Indicator from LonesomeTheBlue
working like a charm
Thank you very much
+1 ▲ Cevap Gönder

 **riocabotd** · Oca 12, 2021  
Dude, this is fucking insane
+1 ▲ Cevap Gönder

 **davidzor123** · Oca 9, 2021  
Amazing work... have been following you for a year!
+1 ▲ Cevap Gönder

 **mmas74** · Oca 2, 2021  
From where I can download
+1 ▲ Cevap Gönder

 **AMB_76**  · Ara 25, 2020  
Crushing it!
+1 ▲ Cevap Gönder

 **iamutsav** · Ara 20, 2020  
Great Work Thanks
+1 ▲ Cevap Gönder

 **cragum123** · Ara 17, 2020  
Bloody 'ell. Awesome work, as always!
+1 ▲ Cevap Gönder

 **TK07**  · Ara 17, 2020  
That's what they call "TKO". Thank you very much.
+1 ▲ Cevap Gönder

 **Maikop**  · Ara 16, 2020  
Genious.. Thanks 
+1 ▲ Cevap Gönder

 **RafaelZioni**  · Ara 16, 2020  
Masterpiece at work:
+1 ▲ Cevap Gönder

 **LonesomeTheBlue**  · Oca 6, 2021  
@RafaelZioni, Thank you mate :)
▲ Cevap Gönder

 **jeno_**  · Ara 15, 2020  
Awesome, such a brilliant work!
+1 ▲ Cevap Gönder

 **DearyouKR**  · Ara 15, 2020  
fierce
+1 ▲ Cevap Gönder

 **dgtrd**  · Ara 15, 2020  
Wonderful
+1 ▲ Cevap Gönder

 **LonesomeTheBlue**  · Ara 15, 2020  
@dgtrd, thank you mate :)
▲ Cevap Gönder

 **AbhijeetMuneshwar** · Ara 15, 2020  
Very brilliant.
Thank you very much.
+1 ▲ Cevap Gönder

 **Daveatt**  · Ara 15, 2020  
Masterpiece
+1 ▲ Cevap Gönder

 **LonesomeTheBlue**  · Ara 15, 2020  
@Daveatt, thank you mate :)
▲ Cevap Gönder

 **mhasani8103** · Nis 2 · Android için TradingView  
you helped me to make better decisions, tanks
▲ Cevap Gönder

 **thebiggerhand**  · Oca 11  
Great work!
▲ Cevap Gönder

 **DBC2020**  · Ara 10, 2021  
how can view fib traces in the channel??
▲ Cevap Gönder

 **adelatanb**  · Kas 23, 2021  

Amazing work! Thank you so much.

▲ Cevap Gönder

 **fafpo_invest** PRO · Kas 22., 2021 · Android için TradingView » »



▲ Cevap Gönder

A **aslnayyldz** · Kas 12., 2021 » »

Hello, thank you for this wonderful display. Is it possible to add a log scale option?

▲ Cevap Gönder

A **accurateZebra76440** · Eki 3., 2021 » »

Can anyone provide the equivalent of C # code? Even a sample calculated in an Excel file can help me

▲ Cevap Gönder

A **accurateZebra76440** · Eki 3., 2021 » »

What program is the source code written with?

▲ Cevap Gönder

R **riodim79** · Eylül 25., 2021 » »

Thanks. This is perhaps one of the best indicators for channel trading.

▲ Cevap Gönder

K **Kerasi** PRO · Eylül 19., 2021 » »

Good tool, hope not asking too much but would great if you can add a specified date range for it. This would be ideal for back testing. Thank you!

▲ Cevap Gönder

J **JesseStonks** · Eylül 4., 2021 » »

Does anyone know if you can add this script into webull charts?

▲ Cevap Gönder

I **infoabhi88** PRO+ · Eylül 1., 2021 » »

@LonesomeTheBlue Does it repaint the lines.

▲ Cevap Gönder

C **c2c28cb0cdf14ab7adde39209a6d90** PRO · Ağustos 16., 2021 » »

Superb tool! Would be really nice to have multi-timeframe channels plotted. Ie: 1 min, 5 min, 15 min. Thank you so much!

▲ Cevap Gönder

D **derahmanov** PRO+ · Ağustos 13., 2021 » »

you are a genius! thanks for the indicator, added to favorites

▲ Cevap Gönder

L **lodhas2006** · Nis 21., 2021 » »

How to add 1SD and 3SD lines using arrays.....Please guide.

Thanks in Advance.

▲ Cevap Gönder

W **wangdafa** · Mar 15, 2021 » »

thankist!

▲ Cevap Gönder

G **gorkshanathd** · Şubat 25., 2021 » »

nice bro, can you add please candle stick pattern formation

▲ Cevap Gönder

T **TheOnlyTrueA** PRO · Şubat 19., 2021 » »

does anyone change the length? Is 200 too much?

▲ Cevap Gönder

H **Hamzorottii** · Şubat 18., 2021 » »

should logarithmic scaling be off or on?

▲ Cevap Gönder

b **berlianadrianto4** · Şubat 12., 2021 » »

sy brminat

▲ Cevap Gönder

A **ANDREY_fora** · Ocak 15., 2021 » »

you can do a split buy of sell ,to send a signal to the web hook

▲ Cevap Gönder

JKH15 · Ocak 14., 2021 » »

Amazing work as always... can we get a alarm for when the arrow changes not just price breaking the channel?

▲ Cevap Gönder

J **jamestognarini1** PRO+ · Ocak 7., 2021 » »

Would someone be able to give me a brief rundown of how I can use this property?

I've just begun trading regularly for the last couple of months and want to use some tools to help with stock analysis

Appreciate you!

▲ Cevap Gönder