TÜRK HAVA YOLLARI A.O. · 5 · BIST · TradingView A14.30 Y14.30 D14.30 K14.30 +0.01 (+0.07%)
Volume Based Coloured Bars 21
LagF hl2 0.1 **14.12**

LaRSI close 0.1 100.00 20.00 80.00

Oscillators   Relative Strength Index (RSI)   FR3762   kivanc   ehlers   laguerre

💬 30   🏳   ⤴   👍 5869

Laguerre RSI is based on John EHLERS' Laguerre Filter to avoid the noise of RSI .

Change alpha coefficient to increase/decrease lag and smoothness.

Buy when Laguerre RSI crosses upwards above 20.
Sell when Laguerre RSI crosses down below 80.

While indicator runs flat above 80 level, it means that an uptrend is strong.
While indicator runs flat below 20 level, it means that a downtrend is strong.

Developer: John EHLERS
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YouTube (English): https://www.youtube.com/channel/UCJWTlNVEwUceyGt4SUpB2-Q

🐦 Twitter   ▶ Youtube   📷 Instagram

```
1   // This source code is subject to the terms of the Mozilla Public License 2.0 at https://mozilla.org/MPL/2.0/
2   // Developer: John EHLERS
3   // © KivancOzbilgic
4   //@version=3
5   // Author:Kıvanç Özbilgiç
6   study("Laguerre RSI", shorttitle="LaRSI", overlay=false)
7   src = input(title="Source", defval=close)
8   alpha = input(title="Alpha", type=float, minval=0, maxval=1, step=0.1, defval=0.2)
9   colorchange = input(title="Change Color ?", type=bool, defval=false)
10  gamma=1-alpha
11  L0 = 0.0
12  L0 := (1-gamma) * src + gamma * nz(L0[1])
13  L1 = 0.0
14  L1 := -gamma * L0 + nz(L0[1]) + gamma * nz(L1[1])
15
16  L2 = 0.0
17  L2 := -gamma * L1 + nz(L1[1]) + gamma * nz(L2[1])
18
19  L3 = 0.0
20  L3 := -gamma * L2 + nz(L2[1]) + gamma * nz(L3[1])
21
22  cu= (L0>L1 ? L0-L1 : 0) + (L1>L2 ? L1-L2 : 0) + (L2>L3 ? L2-L3 : 0)
23
24  cd= (L0<L1 ? L1-L0 : 0) + (L1<L2 ? L2-L1 : 0) + (L2<L3 ? L3-L2 : 0)
25
26  temp= cu+cd==0 ? -1 : cu+cd
27  LaRSI=temp==-1 ? 0 : cu/temp
28
29  Color = colorchange ? (LaRSI > LaRSI[1] ? green : red) : blue
30  plot(100*LaRSI, title="LaRSI", linewidth=2, color=Color, transp=0)
31  plot(20,linewidth=1, color=maroon, transp=0)
32  plot(80,linewidth=1, color=maroon, transp=0)
33
```

Yorumlar

Alkışlarla yorum   Yorum Paylaş

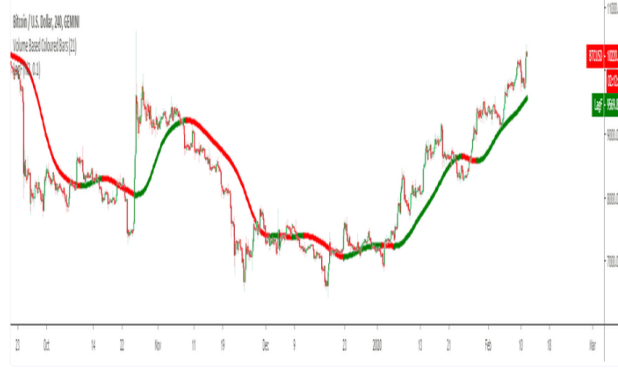**PineCoders** MOD · Oca 7, 2021

💰 500 koin

+2 ▲ Cevap Gönder

Jeet2020 · Şub 15, 2020

Can you help us to get that line whose color changes to red & Green.

+10 ▲ Cevap Gönder

KivancOzbilgic WIZARD · Şub 16, 2020

@Sapna1989,

+25 ▲ Cevap Gönder

> **Jitusuraj** · Şub 16, 2020
>
> @KivancOzbilgic, Thank you so much:)
>
> +5 ▲ Cevap Gönder

seref912 · Şub 12, 2020

kıvanç bey emeğinize sağlık. iyiki varsınız..çok şey öğrendim sizden

+10 ▲ Cevap Gönder

AnyDozer · Kas 3, 2020

Hi, @KivancOzbilgic

Thanks for your work. Excellent script.

For correct operation need to change the condition on line 29

Color = colorchange ? ((LaRSI > LaRSI or LaRSI == 1) ? green : red) : blue

+3 ▲ Cevap Gönder

Ardey · Şub 13, 2020

Thank you Sir

+3 ▲ Cevap Gönder

ICEKI PREMIUM · Şub 12, 2020

Thank you sir =D

+3 ▲ Cevap Gönder

kaptanylmz · Şub 12, 2020

Kıvanç abi emeğine saglik

+2 ▲ Cevap Gönder

pandesantosh24 · May 17, 2020

line not coming in price chart

+1 ▲ Cevap Gönder

aydinbali06 · Nis 13, 2020

Çalışmalarınız ve paylaşımlarınız için çok teşekkürler.Emeğinize sağlık

+1 ▲ Cevap Gönder

chatman · Nis 11, 2020

çok teşekkürler hocam

+1 ▲ Cevap Gönder

seatf PREMIUM · Nis 4, 2020

Thanks, I will use it with your permission ;)

+1 ▲ Cevap Gönder

ritikrath0re · Mar 22, 2020

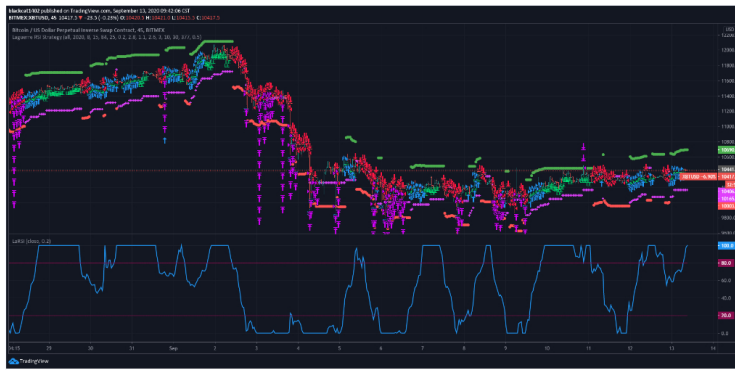which indicator you used in chart to see uptrend and downtrend for long term.?????

+1 ▲ Cevap Gönder

owaisted · May 18, 2021

at the moment I am using the super trend with this. thank you. made life simpler for me

▲ Cevap Gönder

blackcat1402 PREMIUM · Eyl 13, 2020

great script! as you said Laguerre RSI indeed filters out noise, and I find this is rather helpful in BTC contract trading.

▲ Cevap Gönder

A **aminnd** · Ağu 31, 2020 🔗 🚩

Hi Kivanc.
At lines 22 & 23, in the case positive and negative Li, we have to compare abs(L0) and abs(L1) or L0 and L1 and return abs(L0)-abs(L1) or L0-L1, for example. {L0>L1 -> L0-L1} or {abs(L0)>abs(L1) -> abs(L0)-abs(L1) } ?
Thanks.

▲ Cevap Gönder

E **erkovanceyhun** · Haz 13, 2020 🔗 🚩

hocam bununla alakalı bir video çekme şansınız var mı? şimdiden teşekkürler.

▲ Cevap Gönder

J **justnifty** `PREMIUM` · May 19, 2020 🔗 🚩

Hello Kivanc..nice one.
just one question.
i can understand the RSI part.
but the avg/filter on chart overlay...how to interpret that? when it turn green buy and when turn red sell? or we can initiate on price cross the avg/filter?
Thanks.

▲ Cevap Gönder

T **tieuzidane** · Nis 18, 2020 🔗 🚩

Thanks for your great work. It's really awesome!

▲ Cevap Gönder

E **EVRMTV** `PRO+` · Nis 5, 2020 🔗 🚩

80nin üstünde alın demek istiyorsunuz herhalde.. tam tersini yazmışsınız. 20 bin altında short olacak.. yanlış mıyım ?

▲ Cevap Gönder

MarxBabu `PREMIUM` · Mar 3, 2020 🔗 🚩

i m sure i am gonna try this with my LongBuyLongSellIndicator Side By Side to see any key take away from this.

▲ Cevap Gönder

L **loveguru** · Mar 2, 2020 🔗 🚩

Hi there Wonderful Script!! Do have a small question how do you have a colourful line on your chart a single line turn green/red Can you please let me know? i appreciate it thanks, thank you

▲ Cevap Gönder

MarxBabu `PREMIUM` · Şub 27, 2020 🔗 🚩

Again a good indicator , i have asked your permission in other indicator please check and let me know thank you.

▲ Cevap Gönder

P **perx** · Mar 19, 2020 🔗 🚩

@MarxBabu, Ask permission and then steal and sell right?

▲ Cevap Gönder

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ahmetturkay1010 · Şub 26, 2020 🔗 🚩

teşekkürler emeğinize sağlık..

▲ Cevap Gönder

AliAydogdu1922 · Şub 26, 2020 🔗 🚩

hocam her zamanki gibi mükemmel :) çok teşekkür ederim.

▲ Cevap Gönder

C **cihangiryusuf** `PRO` · Şub 22, 2020 🔗 🚩

teşekkürler

▲ Cevap Gönder

m287840626 · Şub 22, 2020 🔗 🚩

代码怎么用？

▲ Cevap Gönder

syrinxflunki PREMİUM · Şub 13, 2020 🔗 🚩

ta la :)

▲ Cevap Gönder