



Universal Oscillator by Mr. Ehlers is an evolution of his SuperSmoother filter. The new indicator follows the swings in price without introducing extra delay.

It is controlled through one single input - the band edge - which basically is frequency. The smaller it is set, the less lag there is, but you may see lot of whipsaws. Built-in automatic gain control normalizes the output to vary between the range of -1 to +1.

Mr. Ehlers suggests a straightforward system:

- Buy when long-term Universal Oscillator crosses above zero
- Sell when long-term Universal Oscillator crosses below zero

I have added options to draw a signal line, histogram and bar coloring. Bar coloring, if enabled, is done using the histogram color, but you can change it easily to signal\_cross by uncommenting a line (check the source).

More info:

Whiter is Brighter - [Ehlers](#)

List of my other indicators:

- GDoc: <https://docs.google.com/document/d/15AGCfUfZ8CIuvwFJ9W-IKns8Bgsk0KBcvByHEvmSMLo/edit?usp=sharing>
- Chart:

[Bitcoin / Dolar, 240, ETC, Heiken Ashi](#)

### Indicators Index

I decided to do this for 2 reasons:

- One single list of all my indicators makes it easy for others.
- I can crosscheck this list to make sure I don't post any duplicate indicators :)

I will keep this list updated (till TradingView script sharing goes live). Check the comments section for the new links.

I have also added instructions on how to import / use these indicators in your charts. See description below.

List of my free indicators: <http://bit.ly/1LQaPK8>  
List of my indicators at Appstore: <http://blog.tradingview.com/?p=970>

[Twitter](#) [Website](#)

#### Açık kaynak kodlu komut dosyası

Genuine TradingView rühuyla, bu belgenin yazarı, yarırımcının anlayabilmesi ve doğrulanabilmesi için onu açık kaynak olarak yayınladı. Yazarın eline sağılı! Bu suna ücretsiz olarak kullanılabilirsiniz, ancak bu kodun bir yayında yeniden kullanımı [Kullanım Koşulları](#) ile yönetilir. Bir grafikte kullanmak için favorilere ekleleyebilirsiniz.

#### Feragatname

Bilgiler ve yayınlar, TradingView tarafından sağlanan veya onaylanan finansal, yatırım, işlem veya diğer türden taşıviye veya taşıviler anımlına gelmez ve teşkil etmez. [Kullanım Şartları](#)'nda daha fazlasını okuyun.

Bu komut dosyasını bir grafikte kullanmak ister misiniz? ☺

[★ Favori göstergelere ekle](#)

```

1 //
2 // @author LazyBear
3 // List of all my indicators:
4 // https://docs.google.com/document/d/15AGCfUfZ8CIuvwFJ9W-IKns8Bgsk0KBcvByHEvmSMLo/edit?usp=sharing
5 //
6 study("Universal Oscillator [LazyBear]", shorttitle="UNIOSC_LB")
7 bandedge= input(20, title="BandEdge")
8 showList= input(true, type=bool, title="Show Histogram?")
9 showSignal= input(false, type=bool, title="Show Signal?")
10 lengthWA= input(9, title="WA signal length")
11 enableBarColors= input(false, title="Color Bars?")

```

```

12
13 whitenoise= (close - close[2])/2
14 a1= exp[-1.414 * 3.14159 / bandedge)
15 b1= 2.0*a1 * cos(1.414*180 / bandedge)
16 c1= b1
17 c3= a1 * a1
18 c1= 1 - c2 - c3
19 filt= c1 * (whitenoise + nz(whitenoise[1]))/2 + c2*nz(filt[1]) + c3*nz(filt[2])
20 filt1: ifff(cum[1] == 0, 0, iff(cum[1] == 2, c2*nz(filt1[1]), 0),
21 iff(cum[1] == 3, c2*nz(filt1[1]) + c3*nz(filt1[2]), filt1)))
22
23 pk< ifff(cum[1] == 2, .00000001,
24 iff(abs(filt1) > nz(pk[1]), abs(filt1), 0.991 * nz(pk[1])))
25 denom=ifff(pk==0, -1, pk)
26 euo=iff(denom == -1, nz(euo[1]), filt1/pk)
27 euoWema=(euo, lengthWA)
28 histline()
29 plot(euoWema, leuona, style=histogram, color=euo>0?green:red, title="Histogram")
30 plot(euo, color=maroon, linewidth=2, title="EUO")
31 plot(zscore[euo], color=teal, title="Signal", linewidth=1)
32 barcolor(enableBarColors?euo>0?green:red):no
33 //Use this if signal cross should be used for barcoloring.
34 //barcolor(enableBarColors?(euo>euoMA ? green : red):no)
35

```

#### BENZER FİKİRLER

[Ehlers Adaptive Cyber Cycle Indicator \[LazyBear\]](#)

LazyBear WIZARD 13 May 27, 2015

[Ehlers Stochastic CG Oscillator \[LazyBear\]](#)

LazyBear WIZARD 5 May 25, 2015

[Ehlers Simple Cycle Indicator \[LazyBear\]](#)

LazyBear WIZARD May 23, 2015

#### TEPKİLER

[Week in Review: All of Old. Nothing Else Ever. Except Sometimes.](#)

chrysopoeitics about AAPL 6 Sub 28, 2019

## Yorumlar



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

[Alışıklarla yorum](#)

[Yorum Paylaş](#)

cooney\_s Premium · Ara 24, 2014



I find Ehlers Universal Oscillator useful but the signals are short term unless a user can identify an overall trend. Here I offer a chart with several notations to help assist users. Please see chart notations. Not all "signals" or signs are noted. Focus on how I use the Zscore trend to filter trend, then use the UNIOSC\_LB for trading purposes. Traders could either scalps by enter/exit with each cross of UNIOSC signal or scale in for position trades.

+7 [Cevap Gönder](#)

cooney\_s Premium · Ara 24, 2014



Of note: when overlapping indicators which I happen to do often, please check your Indicators "Properties" toggle for scaling as this is very necessary for proper indicator presentation. The default location for TV indicators is to scale on the right, when you attempt to overlap another indicator TV assumes you want the second indicator scale to be on the left so you may see the indicator readings. Please change the "scale left" on the second indicator to "scale right" so both indicators may align their respective Zero Lines together. Otherwise you will have improper readings. Now of course, not all indicators are scaled/measured in the same manner, indicator scales have to compliment one another. Hence my choosing Zscore which goes from Zero to a determined standard deviation of 2.0 in this instance set by me. And the UNIOSC\_LB scales from Zero as well and within the Zscore readings up to 2.0. So for example, users can put a WPR% with negative readings 0 to negative 100 on a scale of RSI as that reads in the opposite manner 0 to 100. Just something to think about as screen real estate is important to some Charters.

+5 [Cevap Gönder](#)

stenor PRO+ · Ara 23, 2014

This Universal Oscillator is the best oscillator that John Ehlers has constructed so far. In fact it may well be the only oscillator you really need. It really is that good and 'Universal'. I have used other oscillators giving similar signals to this one, but the Universal Oscillator overall does the best job of all the oscillators I have used. Thank you LazyBear for coding this great oscillator for the Trading View community.

+2 [Cevap Gönder](#)

LazyBear WIZARD · Ara 24, 2014

Yeo

+2 [Cevap Gönder](#)

A arviman PRO+ · Haz 11, 2020 cevap

Your cos function should be in radians, not in degrees in line 15. @mwlang has fixed it.

▲ Cevap Gönder

eykpunter PRO+ · May 28, 2017 cevap

I don't understand the cum(1) function in the script and how or why it can be equal to e.g. 2. Doesn't cum(1) always simply return 1?

▲ Cevap Gönder

A AndrewFaulkner · Ara 23, 2014 cevap

Thanks. Maybe one could use a laguerre filter instead of an ma with a gamma as a TV variable and trade off the direction changes?

▲ Cevap Gönder

LazyBear WIZARD · Ara 24, 2014 cevap

YW,

Agree on improving the signal.

+3 ▲ Cevap Gönder

S sudhir.mehta PREMIUM · Ara 20, 2014 cevap

Thanks for sharing!!!!!! Very good indicator, appreciate it.

▲ Cevap Gönder

LazyBear WIZARD · Ara 21, 2014 cevap

yw.

Here's EUO capturing EURUSD down.



+2 ▲ Cevap Gönder

S sudhir.mehta PREMIUM · Ara 21, 2014 cevap

Thanks, Can not open it?

▲ Cevap Gönder

LazyBear WIZARD · Ara 21, 2014 cevap

You mean that chart image not opening?

+2 ▲ Cevap Gönder

S sudhir.mehta PREMIUM · Ara 21, 2014 cevap

Thanks for quick reply. I can not down load it. "Make it Mine" symbol does not show?

▲ Cevap Gönder

LazyBear WIZARD · Ara 21, 2014 cevap

That is just an embedded Image of a chart. "Make it mine" possible only on published charts or on "embedded" charts (as in chat).

+2 ▲ Cevap Gönder

S sudhir.mehta PREMIUM · Ara 21, 2014 cevap

OK, Thanks, appreciate your time.

▲ Cevap Gönder

StockSwinger PREMIUM · Ara 19, 2014 cevap

Hi LB: This is great. Better than his COG. Can you tell me why this is "whitenoise= (close - close)/2" You seem to be skipping a day. C instead of C? Thanks Michael

▲ Cevap Gönder

LazyBear WIZARD · Ara 19, 2014 cevap

Thanks. (C-C)/2 is how Ehlers has defined WhiteNoise in his TradeStation code.

+1 ▲ Cevap Gönder

StockSwinger PREMIUM · Ara 19, 2014 cevap

Hi Lazy Bear: All of the bracketed numbers seem to have been stripped out of our conversation. Might be something that TV would want to look at. Entering more here just to see if it gets stripped out again. C-C instead of C - C ?

Thanks for the reply, Michael

▲ Cevap Gönder

StockSwinger PREMIUM · Ara 19, 2014 cevap

Yes! they are being stripped ;/( Michael

▲ Cevap Gönder

Alphaoptions · Ara 19, 2014 cevap

Thanks LB, I was just reading in S&C Magazine about this approach. Very timely!

▲ Cevap Gönder

LazyBear WIZARD · Ara 19, 2014 cevap

YW,  
+1 ▲ Cevap Gönder

 Noobinccrypt PRO+ · Ara 19, 2014 cso □

I tried this script for btce and im not getting the green moving line that goes through 0. Do you know why? thx  
▲ Cevap Gönder

 LazyBear WIZARD · Ara 19, 2014 cso □

MA line is OFF by default. Open up options dialog and enable it.  
-2 ▲ Cevap Gönder

 Noobinccrypt PRO+ · Ara 19, 2014 cso □

thx  
▲ Cevap Gönder

 N NextLevelFlash · Ara 19, 2014 cso □

All in all I don't really know what I'm doing but this is my favorite of your scripts so far. Using it alongside Squeeze Momentum Indicator & Weis Wave Volume to back up the crosses with this.  
▲ Cevap Gönder

 LazyBear WIZARD · Ara 19, 2014 cso □

Nice.  
+1 ▲ Cevap Gönder