# Adaptive Moving Average

everget WIZARD Nis 7, 2018


Exponential Moving Average (EMA) | Trend Analysis | Moving Averages | Kaufman's Adaptive Moving Average (KAMA) | AMA | apirine | adaptive | Adaptive Moving Average (AMA) | modified | average

7 458

Nis 7, 2018 — Adaptive Moving Average indicator script. This indicator was originally developed by Vitali Apirine (Stocks & Commodities V.36:5: Adaptive Moving Averages).

Kas 5, 2018 — **Sürüm Notları:** Refactored

Ara 27, 2018 — **Sürüm Notları:**
- Add coloring

Freelance -> Telegram: @alex_everget

A list of Free indicators:
https://bit.ly/2S7EPuN

A list of Paid indicators:
https://bit.ly/33MA81f

Earn $30:
https://www.tradingview.com/gopro/?share_your_love=everget

Website

**Açık kaynak kodlu komut dosyası**

Gerçek TradingView ruhuyla, bu betiğin yazarı, yatırımcının anlayabilmesi ve doğrulayabilmesi için onu açık kaynak olarak yayınladı. Yazarın eline sağlık! Bunu ücretsiz olarak kullanabilirsiniz, ancak bu kodun bir yayında yeniden kullanımı 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 tavsiyeler anlamına gelmez ve teşkil etmez. Kullanım Şartları'nda daha fazlasını okuyun.

**Bu komut dosyasını bir grafikte kullanmak ister misiniz?**

★ Favori göstergelere ekle

```
//@version=3
// Copyright (c) 2018-present, Alex Orekhov (everget)
// Adaptive Moving Average script may be freely distributed under the MIT license.
study("Adaptive Moving Average", shorttitle="AMA", overlay=true)

length = input(title="Length", type=integer, defval=14)
fastLength = input(title="Fast EMA Length", type=integer, defval=2)
slowLength = input(title="Slow EMA Length", type=integer, defval=30)
highlightMovements = input(title="Highlight Movements ?", type=bool, defval=true)
src = input(title="Source", type=source, defval=close)

fastAlpha = 2 / (fastLength + 1)
slowAlpha = 2 / (slowLength + 1)

hh = highest(length + 1)
ll = lowest(length + 1)

mltp = hh - ll != 0 ? abs(2 * src - ll - hh) / (hh - ll) : 0

ssc = mltp * (fastAlpha - slowAlpha) + slowAlpha

ama = 0.0
ama := nz(ama[1]) + pow(ssc, 2) * (src - nz(ama[1]))

amaColor = highlightMovements ? (ama > ama[1] ? green : red) : #6d1e7f
plot(ama, title="AMA", linewidth=2, color=amaColor, transp=0)
```

## Yorumlar

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

Alkışlarla yorum | Yorum Paylaş

**DayTradingOil** PREMİUM · Eyl 27, 2018

Is there anyway to convert this script, or atleast the ama(src, length, fastLength, slowLength) to Easy Language(for use with TradeStation)? I've been trying to no avail simply because I cannot find anything in their reference that mimics tradingview's (nz) function(Aka replace a nan value). Any help at all would be greatly appreciated.

+3 ▲ Cevap Gönder

**ikoct** · Nis 3, 2021

hi?
how to add an alert about changing the color of the indicator
thanks

▲ Cevap Gönder

**canpp** PRO · Ara 24, 2020

Hi @everget this is a perfect script that I use all the time! is it possible to make it multi time frame? I tried but it returns an error message bellow:

"Cannot use a mutable variable as an argument of the security function."

the code I tried was:

```
res = input(title="Resolution", type=input.resolution, defval="360")

s1 = security(syminfo.tickerid, res, ama, gaps=true)

plot(s1, title="upper line",color=color.purple, transp=50)
```

Do you have a solution for that?

▲ Cevap Gönder

**DayTradingOil** PREMİUM · Eyl 27, 2018

"

inputs:
Price( numericseries ),
EffRatioLength( numericsimple ),
FastAvgLength( numericsimple ), { this input assumed to be a constant >= 1 }
SlowAvgLength( numericsimple ) ; { this input assumed to be a constant >= 1 }

{ Eff = Efficiency }

variables:
NetChg( 0 ),
TotChg( 0 ),
EffRatio( 0 ),
ScaledSFSqr( 0 ),
SlowAvgSF( 2 / ( SlowAvgLength + 1 ) ),
FastAvgSF( 2 / ( FastAvgLength + 1 ) ),
SFDiff( FastAvgSF - SlowAvgSF ) ,
pds(0),
MLTP(0),
SSC(0);

pds = EffRatioLength + 1;
MLTP = AbsValue(Price - Lowest(low, pds)) - (highest(high, pds) - price) / (highest(high, pds) - lowest(low, pds));
SSC = MLTP * (FastAvgSF - SlowAvgSF) + SlowAvgSF;

Adaptive_MA_Kama_TradingView = Adaptive_MA_Kama_TradingView + (SSC * SSC) * ( Price - Adaptive_MA_Kama_TradingView );

"

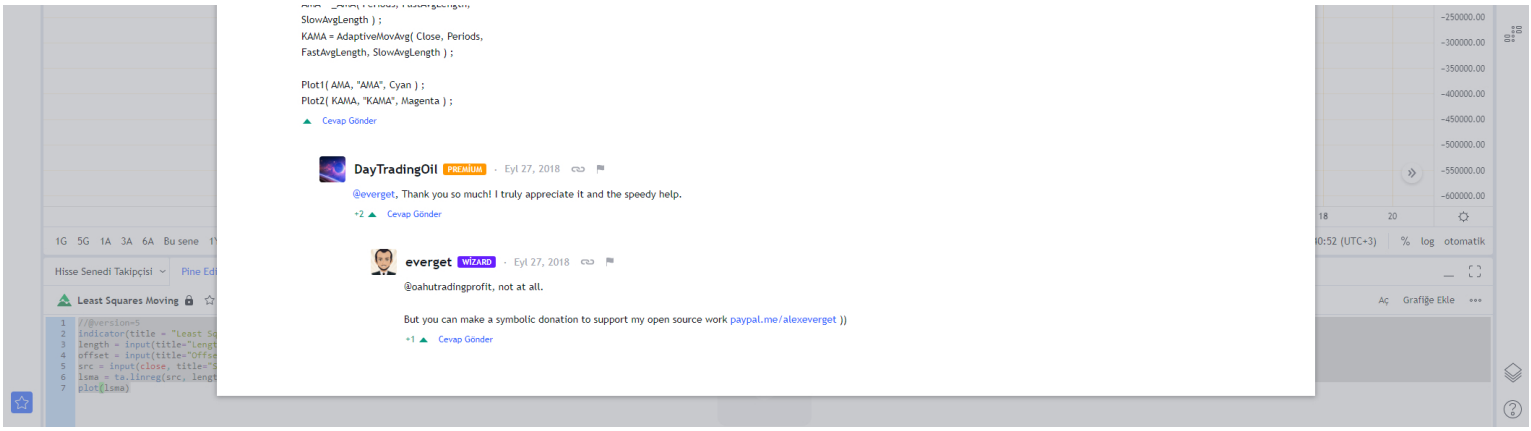
This is what I have so far, when plugged into Tradestation along with an indicator to plot it the AMA comes out significantly different than the one on my chart from tradingview. Thanks in advance.

▲ Cevap Gönder

**everget** WİZARD · Eyl 27, 2018

@oahutradingprofit,
Hi,
Function: _AMA

```
// TASC APR 2018
// _AMA
// Function
// Vitali Apirine

inputs:
Periods( numericsimple ),
FastAvgLength( numericsimple ),
SlowAvgLength( numericsimple ) ;

variables:
PDS( Periods + 1 ),
FastSC( 2 / ( FastAvgLength + 1 ) ),
SlowSC( 2 / ( SlowAvgLength + 1 ) ),
SSC( 0 ),
CST( 0 ),
MLTP( 0 );

MLTP = AbsValue( ( Close - Lowest( Low, PDS ) )
- ( Highest( High, PDS ) - Close ))
/ ( Highest( High, PDS ) - Lowest( Low, PDS ) ) ;

SSC = MLTP * ( FastSC - SlowSC ) + SlowSC ;

CST = Square( SSC ) ;

If CurrentBar = 1 then
_AMA = Close + CST * ( Close - Close )
else
_AMA = _AMA + CST * ( Close - _AMA ) ;

----------

// TASC APR 2018
// Adaptive Moving Average
// Indicator
// Vitali Apirine

inputs:
Periods( 10 ),
FastAvgLength( 2 ),
SlowAvgLength( 30 ) ;

variables:
AMA( 0 ),
KAMA( 0 ) ;

AMA = _AMA( Periods, FastAvgLength
```


SlowAvgLength ) ;
KAMA = AdaptiveMovAvg( Close, Periods,
FastAvgLength, SlowAvgLength ) ;
Plot1( AMA, "AMA", Cyan ) ;
Plot2( KAMA, "KAMA", Magenta ) ;
Cevap Gönder
DayTradingOil PREMIUM · Eyl 27, 2018
@everget, Thank you so much! I truly appreciate it and the speedy help.
+2 Cevap Gönder
everget WİZARD · Eyl 27, 2018
@oahutradingprofit, not at all.
But you can make a symbolic donation to support my open source work paypal.me/alexeverget ))
+1 Cevap Gönder
Least Squares Moving
Hisse Senedi Takipçisi
Aç
Grafiğe Ekle
otomatik