



**S-Trader**



2673

14.86

12.28

8.81

12.07

2.77

10.97

21.72

12.59

6.98

3.15

5.28

2.11

3.09

7.87

16.84

13.03

12.24

15.97

1.62

0.77

1.95

8.45

4.52

1.11

1.51

2.58

1.53

+0.52%

+0.18%

+0.18%

+0.18%

+0.40%

+0.40%

12734

2918

20580

28025

9487

10383

18775

791

2000

1749

2673



## GOPRI | Gopalakrishnan Range Index

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## Description

The Gopalakrishnan Range Index (GOPRI), developed by Jayanthi Gopalakrishnan, attempts to determine the variability of price data based on the log of the price range over a user defined n-periods.

## Formula

$$\text{GOPRI} = \text{Log}(\text{Highest High } n \text{ Periods} - \text{Lowest Low } n \text{ Periods}) / \text{Log}(n \text{ Periods})$$

## Parameters

### Periods

Any number of periods

## Output value(s)

There is one output value resulting from the formula, the Gopalakrishnan Range Index.

## Plot

The plot is in a separate panel at the bottom.



## Quant Script™ Syntax

<b>Short Form</b>	<i>GOPRI</i> (Periods)
<b>Long Form</b>	<i>GopalakrishnanRangeIndex</i> (Periods)

## Dialogs

### Chart Study Dialog

**Gopalakrishnan Range Index** [X]

Indicator Parameters

Period: 14

Symbol: ^USDCAD

Series Configuration

Main: Line

Style: Solid

Thickness: 3

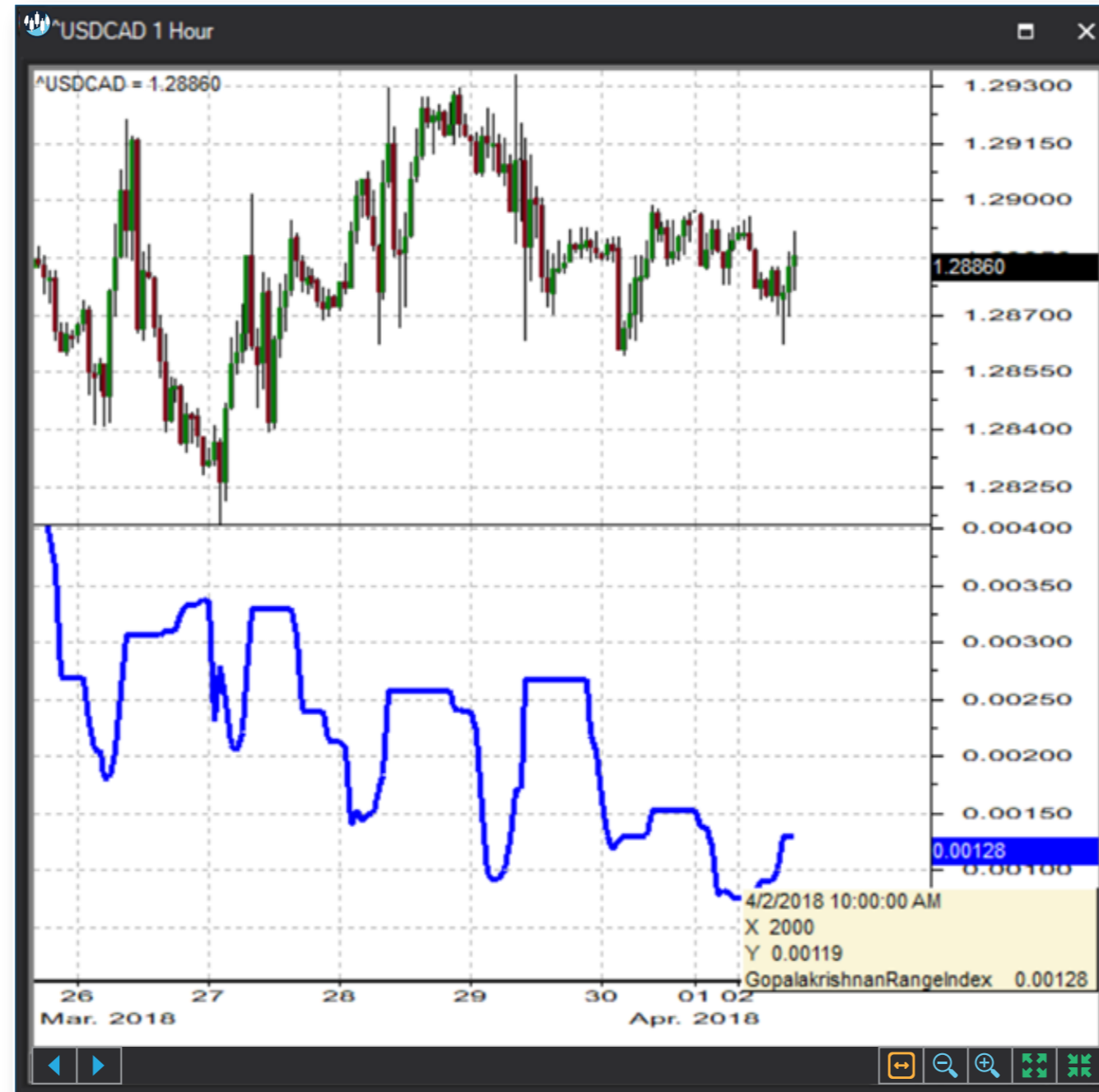
Color: [Blue] [White]

Save as Default Setting

[Add] [Cancel]



## Sample Chart With Study





## Quant Script™ Wizard Study Dialog

The image shows two overlapping dialog boxes in the S-Trader desktop platform. The background dialog is the 'Custom Study Wizard' and the foreground dialog is the 'Add Variable' dialog.

**Custom Study Wizard Dialog:**

- Save To Group: Default
- Custom Study Name: [Empty text field]
- Password: [Empty text field]
- Result: Line, Solid, 2, [Color swatches]
- Reverse\_Result: Line, Solid, 2, [Color swatches]
- Buttons: Add To New Panel (checked), Add New Variable, Edit Selected Variable
- Table with columns: Name, Description
- Buttons: OK, Cancel

**Add Variable Dialog:**

- Name: [Empty text field]
- Description: [Empty text area]
- Variable List: AroonUp, AROOSC, AROU, ASI, AverageDirectionalIndex, AverageDirectionalIndexRating, DIN, DIP, DirectionalIndex, DirectionalIndexNegative, DirectionalIndexPositive, DX, Forecast, GopalakrishnanRangeIndex (highlighted), GOPRI, Intercept, LRF, LRI
- Period: 14
- Button: Create Script Line
- Text: GopalakrishnanRangeIndex(14)
- Buttons: OK, Cancel



## Quant Script™ Study Dialog

**Custom Study Editor** [Close]

Save To Group: 5\_TREND INDICATORS [Dropdown]    Font: A 14.25 [Dropdown]

Custom Study Name: GOPRI [Text]

Password: [Text]

Result: Line [Dropdown]    Solid [Dropdown]    2 [Spinner]    [Color Picker]

Reverse\_Result: Line [Dropdown]    Solid [Dropdown]    2 [Spinner]    [Color Picker]

Formula Add To New Panel

```
SET RESULT = GOPRI(20)
SET REVERSE_RESULT = GopalakrishnanRangeIndex(20)
```

[OK] [Cancel]