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CDA_DFibX LICENSE AGREEMENT

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CDA_DFibX is also referred to as by its release version/revision number appended to this name, e.g.,
CDA_DFibX_v110, refers to the 1st version, revision 10 of the **CDA_DFibX** indicator.

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CDA Reserves the right to package this indicator with other indicators which are subject to their own licensing agreement. The package will be a standard NinjaTrader 7 compatible NinjaScript Assembly, with a package "zip" file name that may vary from release to release.

CDA_DFibX INSTALLATION

Use the standard **Import NinjaScript...** utility accessed from the NT Control Center.
If there is already a previously installed assembly with the same DLL file name, you should *first* un-install the earlier version, using the **Remove NinjaScript Assembly...** utility accessed from the NT Control Center.

CDA_DFibX FUNCTION

Displays multiple degrees of **Dynamically** adjusting **Fibonacci Extensions** relative to the most recent or a specified pivot, referred to in this indicator as the **Anchor** pivot. These Fibonacci Extensions are commonly thought to be an excellent indication of dynamically changing support and resistance levels.

The Anchor pivot corresponds to the *third* anchor pivot, when using a manual Fib Extension tool. The first and second anchor pivots (when using a manual Fib Extension tool) correspond to preceding **Source Waves** of progressively larger size, **Degree**.

CDA_DFibX RUNTIME PARAMETERS

Parameters are organized in sections and are context-enabled/disabled based on value of others. There is extensive tracing capability, in case there is a need to request help.

Anchor property grid section:

| | |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Anchor On DateTime Enabled | If true, the anchor will be located on a qualified pivot at the specified Anchor On DateTime Expression. <i>Default: false.</i> |
| Anchor On DateTime Expression | DateTime of bar of qualified pivot to position Anchor... specified in any parsable Date-Time format e.g., 7/16/2010 3:06 PM or July 16, 2010 15:06. <i>Default: <now>.</i> |
| Draw Anchor | Displays anchor line and arrow if true. <i>Default: true.</i> |
| Line Color | Color of anchor line. <i>Default: Red</i> |
| Line Style | Style of Anchor Line. <i>Default: Dash</i> |
| Line Width | Width of Anchor Line: <i>Default: 2</i> |

Confirmation Waves property grid section:

| | |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Confirmation With 1.382 FibX | If true, match of previous wave will be accepted if same size as candidate source wave size times 1.382. <i>Default: false.</i> |
| Confirmation Margin | Number of ticks margin for confirming match to candidate source wave. <i>Default: 0.</i> |
| Confirmation Wave Color | Color of Confirmation Waves. <i>Default: Magenta</i> |
| MinConfirmations | Number of waves that occurred previous to candidate source wave which match by type (i.e., Down or Up) and size, which are required to accept the candidate as a source wave. <i>Default: 0</i> (no confirming waves required to accept candidate wave). |
| ShowConfirmationWaves | Displays Confirmation Waves if true. <i>Default: false.</i> |

DFibX Selection property grid section:

| | |
|---------------------------|----------------------------------------------------------------------------------------------------------|
| 0.786 FibX Enabled | If true, will show 0.786 FibX lines. <i>Default: false.</i> |
| 1.000 FibX Enabled | If true, will show 1.000 FibX lines. <i>Default: true.</i> |
| 1.191 FibX Enabled | If true, will show 1.191 FibX lines (mid-point between 1.000 & 1.382 FibX lines). <i>Default: false.</i> |
| 1.270 FibX Enabled | If true, will show 1.270 FibX lines. <i>Default: false.</i> |
| 1.382 FibX Enabled | If true, will show 1.382 FibX lines. <i>Default: false.</i> |
| 1.618 FibX Enabled | If true, will show 1.618 FibX lines. <i>Default: false.</i> |
| 2.000 FibX Enabled | If true, will show 2.000 FibX lines. <i>Default: false.</i> |
| 2.618 FibX Enabled | If true, will show 2.618 FibX lines. <i>Default: false.</i> |

DFibX Style - Lines property grid section:

| | |
|------------------------------|-------------------------------------------------------|
| 0.786 FibX Line Color | Color of 0.786 FibX lines. <i>Default: Gold</i> |
| 0.786 FibX Line Style | Style of 0.786 FibX lines. <i>Default: DashDotDot</i> |
| 0.786 FibX Line Width | Width of 0.786 FibX lines. <i>Default: 1</i> |
| 1.000 FibX Line Color | Color of 1.000 FibX lines. <i>Default: Red</i> |

| | |
|------------------------------|------------------------------------------------------------|
| 1.000 FibX Line Style | Style of 1.000 FibX lines. <i>Default: Solid</i> |
| 1.000 FibX Line Width | Width of 1.000 FibX lines. <i>Default: 7</i> |
| 1.191 FibX Line Color | Color of 1.191 FibX lines. <i>Default: Cyan</i> |
| 1.191 FibX Line Style | Style of 1.191 FibX lines. <i>Default: Dot</i> |
| 1.191 FibX Line Width | Width of 1.191 FibX lines. <i>Default: 1</i> |
| 1.270 FibX Line Color | Color of 1.270 FibX lines. <i>Default: DimGray</i> |
| 1.270 FibX Line Style | Style of 1.270 FibX lines. <i>Default: Solid</i> |
| 1.270 FibX Line Width | Width of 1.270 FibX lines. <i>Default: 2</i> |
| 1.382 FibX Line Color | Color of 1.382 FibX lines. <i>Default: Magenta</i> |
| 1.382 FibX Line Style | Style of 1.382 FibX lines. <i>Default: Solid</i> |
| 1.382 FibX Line Width | Width of 1.382 FibX lines. <i>Default: 7</i> |
| 1.618 FibX Line Color | Color of 1.618 FibX lines. <i>Default: MediumVioletRed</i> |
| 1.618 FibX Line Style | Style of 1.618 FibX lines. <i>Default: Solid</i> |
| 1.618 FibX Line Width | Width of 1.618 FibX lines. <i>Default: 2</i> |
| 2.000 FibX Line Color | Color of 2.000 FibX lines. <i>Default: Green</i> |
| 2.000 FibX Line Style | Style of 2.000 FibX lines. <i>Default: Solid</i> |
| 2.000 FibX Line Width | Width of 2.000 FibX lines. <i>Default: 2</i> |
| 2.618 FibX Line Color | Color of 2.618 FibX lines. <i>Default: White</i> |
| 2.618 FibX Line Style | Style of 2.618 FibX lines. <i>Default: Solid</i> |
| 2.618 FibX Line Width | Width of 2.618 FibX lines. <i>Default: 2</i> |

DFibX Style - Text property grid section:

| | |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.786 FibX Label | Line Label for 0.786 Fib Extension. [degree] and (price) will automatically be prepended and appended, respectively. <i>Default: 0.786FibX</i> |
| 0.786 FibX Left or Right of Line | Justification of 0.786 FibX Line Labels. <i>Default: Right</i> |
| 0.786 FibX Offset (Horizontal) | Right or Left bar-offset for 0.786 FibX Line Labels. Can be negative integer. <i>Default: 10</i> |
| 0.786 FibX Offset (Vertical) | Tick-offset for 0.786 FibX Line Labels. Can be fractional and negative. <i>Default: 0</i> |
| 1.000 FibX Label | Line Label for 1.000 Fib Extension. [degree] and (price) will automatically be prepended and appended, respectively. <i>Default: 1.000FibX</i> |
| 1.000 FibX Left or Right of Line | Justification of 1.000 FibX Line Labels. <i>Default: Right</i> |
| 1.000 FibX Offset (Horizontal) | Right or Left bar-offset for 1.000 FibX Line Labels. Can be negative integer. <i>Default: 10</i> |
| 1.000 FibX Offset (Vertical) | Tick-offset for 1.000 FibX Line Labels. Can be fractional and negative. <i>Default: 0</i> |
| 1.191 FibX Label | Line Label for 1.191 Fib Extension. [degree] and (price) will automatically be prepended and appended, respectively. <i>Default: 1.191FibX</i> |

| | |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.191 FibX Left or Right of Line | Justification of 1.191 FibX Line Labels. <i>Default: Right</i> |
| 1.191 FibX Offset (Horizontal) | Right or Left bar-offset for 1.191 FibX Line Labels. Can be negative integer. <i>Default: 10</i> |
| 1.191 FibX Offset (Vertical) | Tick-offset for 1.191 FibX Line Labels. Can be fractional and negative. <i>Default: 0</i> |
| 1.270 FibX Label | Line Label for 1.270 Fib Extension. [degree] and (price) will automatically be prepended and appended, respectively. <i>Default: 1.270FibX</i> |
| 1.270 FibX Left or Right of Line | Justification of 1.270 FibX Line Labels. <i>Default: Right</i> |
| 1.270 FibX Offset (Horizontal) | Right or Left bar-offset for 1.270 FibX Line Labels. Can be negative integer. <i>Default: 10</i> |
| 1.270 FibX Offset (Vertical) | Tick-offset for 1.270 FibX Line Labels. Can be fractional and negative. <i>Default: 0</i> |
| 1.382 FibX Label | Line Label for 1.382 Fib Extension. [degree] and (price) will automatically be prepended and appended, respectively. <i>Default: 1.382FibX</i> |
| 1.382 FibX Left or Right of Line | Justification of 1.382 FibX Line Labels. <i>Default: Right</i> |
| 1.382 FibX Offset (Horizontal) | Right or Left bar-offset for 1.382 FibX Line Labels. Can be negative integer. <i>Default: 10</i> |
| 1.382 FibX Offset (Vertical) | Tick-offset for 1.382 FibX Line Labels. Can be fractional and negative. <i>Default: 0</i> |
| 1.618 FibX Label | Line Label for 1.618 Fib Extension. [degree] and (price) will automatically be prepended and appended, respectively. <i>Default: 1.618FibX</i> |
| 1.618 FibX Left or Right of Line | Justification of 1.618 FibX Line Labels. <i>Default: Right</i> |
| 1.618 FibX Offset (Horizontal) | Right or Left bar-offset for 1.618 FibX Line Labels. Can be negative integer. <i>Default: 10</i> |
| 1.618 FibX Offset (Vertical) | Tick-offset for 1.618 FibX Line Labels. Can be fractional and negative. <i>Default: 0</i> |
| 2.000 FibX Label | Line Label for 2.000 Fib Extension. [degree] and (price) will automatically be prepended and appended, respectively. <i>Default: 2.000FibX</i> |
| 2.000 FibX Left or Right of Line | Justification of 2.000 FibX Line Labels. <i>Default: Right</i> |
| 2.000 FibX Offset (Horizontal) | Right or Left bar-offset for 2.000 FibX Line Labels. Can be negative integer. <i>Default: 10</i> |
| 2.000 FibX Offset (Vertical) | Tick-offset for 2.000 FibX Line Labels. Can be fractional and negative. <i>Default: 0</i> |
| 2.618 FibX Label | Line Label for 2.618 Fib Extension. [degree] and (price) will automatically be prepended and appended, respectively. <i>Default: 2.618FibX</i> |
| 2.618 FibX Left or Right of Line | Justification of 2.618 FibX Line Labels. <i>Default: Right</i> |

| | |
|---------------------------------------|-----------------------------------------------------------------------------------------------------|
| 2.618 FibX Offset (Horizontal) | Right or Left bar-offset for 2.618 FibX Line Labels. Can be negative integer. <i>Default: 10</i> |
| 2.618 FibX Offset (Vertical) | Tick-offset for 2.618 FibX Line Labels. Can be fractional and negative. <i>Default: 0</i> |

DFibX Tuning property grid section:

| | |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Degrees | Maximum number (degrees) of progressively larger candidate source waves for dynamic FibX lines. <i>Minimum: 1 Default: 5</i> |
| FinesseSW1Selection | Turns on/off feature that may select a preferable, smaller SW1. <i>Default: true</i> |
| MaxBiggerFactor | Maximum factor increase for progressively larger degree source wave. <i>Default: 1.6</i> |
| MinBiggerFactor | Minimum factor increase for progressively larger degree source wave. <i>Default: 1.3</i> |
| ShowSourceWaves | If true, will display source waves from which the FibX lines are determined. <i>Default: True</i> |
| SourceWaveColor | Color of source waves. <i>Default: DodgerBlue</i> |
| SourceWaveLabel | Prefix to source wave labels. <i>Default: SW</i> |

Pivots property grid section:

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|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| High Pivot Bar Color | Color of qualified High Pivots. <i>Default: Cyan</i> |
| Low Pivot Bar Color | Color of qualified Low Pivots. <i>Default: Red</i> |
| Pivot Strength | Number of higher or lower bars for Low Pivot or High Pivot, respectively, on each side of pivot for pivot to be accepted as a <i>qualified</i> ringed pivot. <i>Default: 5</i> |
| ShowPivots | If true, will colors qualified pivot bars. <i>Default: true</i> |

Support or Resistance DFibX property grid section:

| | |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Support or Resistance | Dynamic Fib Extensions for above (Resistance) or below (Support) price action and Anchor Pivot. <i>Default: Support</i> |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------|

Trace/Logging property grid section:

| | |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enable Trace | Enables printing of trace information to specified file. It is strongly recommended to keep this false, since there is a noticeable decrease in performance. If necessary, you may be requested to set to true to aid in evaluating a problem. <i>Default: false</i> |
| ShowCandidateWaves | If true, will displays all candidate source waves. Used to support debugging; not available to end-user. <i>Default: false</i> |
| ShowPivotIDs | If true, will displays bar number above and below qualified pivots. Used to support debugging. <i>Default: false</i> |
| Trace File Folder | Location of trace file. <i>Default: C:\Temp</i> |
| Trace Filename Prefix | Beginning part of trace file name. Indicator Name, |

| | |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Trace Level | 'Resistance' or 'Support', followed by 2-character MarketCode, and '.txt' will be appended to specified prefix. If null or fails to create, trace will be directed to Output Window. <i>Default: trace.</i> Regulates depth of trace details. Used to support debugging; not available to end-user. <i>Default: 1</i> |
| RunLogEnabled | If true, will log user startup info into RunLogFilename. <i>Default: true</i> |
| RunLogFileFolder | Directory for run log files; should be periodically checked to ensure contents are not growing larger than desired or space available. <i>Default: C:\Temp\log</i> |
| RunLogFilename | Name of file in RunLogFileFolder to record run log info; will automatically be created if it doesn't exist. <i>Default: runLogInfo.txt</i> |

User Authentication property grid section:

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EmailAddress | Purchasing email address used for authentication check. Also, facilitates communications of update notices and technical advisories. <i>Default: [ENTER YOUR EMAIL ADDRESS HERE]</i> |
| License Issuer | Licensor: Issurer of the license: CDA->CriticalDataAssociates <i>Default: CDA</i> |
| Version | Version of the indicator– READ ONLY |