



Multi ZigZag Harmonic Patterns 🌟

HeWhoMustBeNamed PICKUP Jul 25, 2021



Trend Analysis | Harmonic Patterns | Chart patterns | hewhomustnotbenamed | trendoscope

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Jul 25, 2021 • Combining Multizigzag with harmonic patterns - this script generates harmonic patterns based on multiple depth zigzags.

Input parameter allows to chose which Zigzag to be included in pattern identification and set different length, line color, width and style for each Zigzag combinations.

Pattern rules are as below:

Gartley

- $xab = 0.618$
- $0.382 \leq abc \leq 0.886$
- $1.272 \leq bcd \leq 1.618$ OR $xad = 0.786$

Crab

- $0.382 \leq xab \leq 0.618$
- $0.382 \leq abc \leq 0.886$
- $2.24 \leq bcd \leq 3.618$ OR $xad = 1.618$

Deep Crab

- $xab = 0.886$
- $0.382 \leq abc \leq 0.886$
- $2.0 \leq bcd \leq 3.618$ OR $xad = 1.618$

Bat

- $0.382 \leq xab \leq 0.50$
- $0.382 \leq abc \leq 0.886$
- $1.618 \leq bcd \leq 2.618$ OR $xad = 0.886$

Butterfly

- $xab = 0.786$
- $0.382 \leq abc \leq 0.886$
- $1.618 \leq bcd \leq 2.618$ OR $1.272 \leq xad \leq 2.618$

Shark

- $xab = 0.786$
- $1.13 \leq abc \leq 1.618$
- $1.618 \leq bcd \leq 2.24$ OR $0.886 \leq xad \leq 1.13$

Cypher

- $0.382 \leq xab \leq 0.618$
- $1.13 \leq abc \leq 1.414$
- $1.272 \leq bcd \leq 2.0$ OR $xad = 0.786$

Three Drives

- $oxa = 0.618$
- $1.27 \leq xab \leq 1.618$
- $abc = 0.618$
- $1.27 \leq bcd \leq 1.618$

5-0

- $1.13 \leq xab \leq 1.618$
- $1.618 \leq abc \leq 2.24$
- $bcd = 0.5$



- | | |
|--------------|--|
| Jul 25, 2021 | Release Notes: Add max_bars_back |
| Jul 26, 2021 | Release Notes: Added alert condition |
| Jul 27, 2021 | Release Notes: Fixed minor calculation error with respect to zigzag |
| Jul 28, 2021 | Release Notes: Added ABCD patterns and Double Top/Bottom patterns to this script. With multiple zigzags running, display can become messy. Disable the ones you don't use in your input parameters. |
| Jul 31, 2021 | Release Notes: Fix zigzag logical error |
| Aug 1, 2021 | Release Notes: <ul style="list-style-type: none">Removed not so important line width and line style parameters.Set all width to 1 and style to solid.Changed colors to suit dark theme :) |
| Oct 5, 2021 | Release Notes: Convert to pine 5 |
| May 2 | Release Notes: Updated signature and tags. |
| May 2 | Release Notes: Update tags |

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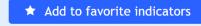
Open-source script

In true TradingView spirit, the author of this script has published it open-source, so traders can understand and verify it. Cheers to the author! You may use it for free, but reuse of this code in a publication is governed by [True House Rules](#). You can favorite it to use it on a chart.

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```
1 // This source code is subject to the terms of the Mozilla Public License 2.0 at https://mozilla.org/MPL/2.0/
2 // © Helh0MustNotBeNamed
3
4 /**
5  * / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ |
6  * $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ |
7  * / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ |
8  * $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ |
9  * / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ |
10 * $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ |
11 * / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ | / \ |
12 * $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ | $ $ |
13 /**
14 /**
15 /**
16 // @version=5
17 indicator("Multi ZigZag Harmonic Patterns", shorttitle='MZigZag - HP', overlay=true, max_bars_back=1000, max_lines_count=500, max_labels_count=500)
18
19 max_pivot_size = input.int(100, step=10)
20 showZigZag1 = input(true)
21 zigzag1Length = input.int(5, step=5, minval=1)
22 zigzag1Color = input(color.teal)
23 zigzag1Width = 1
24 zigzag1Style = line.style_solid
25
26 showZigZag2 = input(true)
27 zigzag2Length = input.int(10, step=5, minval=1)
28 zigzag2Color = input(color.olive)
29 zigzag2Width = 1
30 zigzag2Style = line.style_solid
31
32 showZigZag3 = input(true)
33 zigzag3Length = input.int(15, step=5, minval=1)
34 zigzag3Color = input(color.lime)
35 zigzag3Width = 1
36 zigzag3Style = line.style_solid
37
38 showZigZag4 = input(true)
39 zigzag4Length = input.int(20, step=5, minval=1)
40 zigzag4Color = input(color.fuchsia)
41 zigzag4Width = 1
42 zigzag4Style = line.style_solid
43
44 abcdClassic = input(true)
```

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-->---->
46 abcDext = input(true)
47 gartley = input(true)
48 crab = input(true)
49 deepCrab = input(true)
50 bat = input(true)
51 butterfly = input(true)
52 shark = input(true)
53 cypher = input(true)
54 threeDrives = input(true)
55 fiveZero = input(true)
56 doubleBottomTop = input(true)
57 errorPercent = input.int(10, minval=5, step=5, maxval=20)
58 MaxRiskPerReward = input.int(30, title='Max Risk Per Reward (Double Top/Bottom)', step=10, minval=0)
59
60 showStatTable = false
61waitForConfirmation = input(true)
62
63 bullishColor = input(color.green)
64 bearishColor = input(color.red)
65
66 err_min = (100 - errorPercent) / 100
67 err_max = (100 + errorPercent) / 100
68
69 var zigzagpivots1 = array.new_float(0)
70 var zigzagpivotbars1 = array.new_int(0)
71 var zigzagpivotdirs1 = array.new_int(0)
72
73 var zigzagpivots2 = array.new_float(0)
74 var zigzagpivotbars2 = array.new_int(0)
75 var zigzagpivotdirs2 = array.new_int(0)
76
77 var zigzagpivots3 = array.new_float(0)
78 var zigzagpivotbars3 = array.new_int(0)
79 var zigzagpivotdirs3 = array.new_int(0)
80
81 var zigzagpivots4 = array.new_float(0)
82 var zigzagpivotbars4 = array.new_int(0)
83 var zigzagpivotdirs4 = array.new_int(0)
84
85 var wmlines1 = array.new_line(8)
86 var wmtypes1 = array.new_int(2, 1)
87 var wmlabels1 = array.new_bool(13, false)
88 var wmlabel1 = array.new_label(1)
89
90 var wmlines2 = array.new_line(8)
91 var wmtypes2 = array.new_int(2, 1)
92 var wmlabels2 = array.new_bool(13, false)
93 var wmlabel2 = array.new_label(1)
94
95 var wmlines3 = array.new_line(8)
96 var wmtypes3 = array.new_int(2, 1)
97 var wmlabels3 = array.new_bool(13, false)
98 var wmlabel3 = array.new_label(1)
99
100 var wmlines4 = array.new_line(8)
101 var wmtypes4 = array.new_int(2, 1)
102 var wmlabels4 = array.new_bool(13, false)
103 var wmlabel4 = array.new_label(1)
104
105 pivots(length) =>
106     float phigh = ta.highestbars(high, length) == 0 ? high : na
107     float plow = ta.lowestbars(low, length) == 0 ? low : na
108     dir = 0
109     iff_1 = plow and na(phigh) ? -1 : dir[1]
110     dir := phigh and na(plow) ? 1 : iff_1
111     [dir, phigh, plow]
112
113 zigzag(length, zigzagpivots, zigzagpivotbars, zigzagpivotdirs) =>
114     [dir, phigh, plow] = pivots(length)
115     dirchanged = ta.change(dir)
116
117     if phigh or plow
118         value = dir == 1 ? phigh : plow
119         bar = bar_index
120         newDir = dir
121         if not dirchanged and array.size(zigzagpivots) >= 1
122             pivot = array.shift(zigzagpivots)
123             pivotbar = array.shift(zigzagpivotbars)
124             pivotdir = array.shift(zigzagpivotdirs)
125             useNewValue = value * pivotdir < pivot * pivotdir
126             value := useNewValue ? pivot : value
127             bar := useNewValues ? pivotbar : bar
128             bar
129
130         if array.size(zigzagpivots) >= 2
131             LastPoint = array.get(zigzagpivots, 1)
132             newDir := dir * value > dir * LastPoint ? dir * 2 : dir
133             newDir
134
135         array.unshift(zigzagpivots, value=value)
136         array.unshift(zigzagpivotbars, bar)
137         array.unshift(zigzagpivotdirs, newDir)
138
139         if array.size(zigzagpivots) > max_pivot_size
140             array.pop(zigzagpivots)
141             array.pop(zigzagpivotbars)
142             array.pop(zigzagpivotdirs)
143
144     get_harmonic_label(wmLabels, dir, price, bar) =>
145         isGartley = array.get(wmLabels, 0)
146         isCrab = array.get(wmLabels, 1)
147         isDeepCrab = array.get(wmLabels, 2)
148         isBat = array.get(wmLabels, 3)
149         isButterfly = array.get(wmLabels, 4)
150         isShark = array.get(wmLabels, 5)
151         isCypher = array.get(wmLabels, 6)
152         is3Drives = array.get(wmLabels, 7)
153         isFiveZero = array.get(wmLabels, 8)
154         isAbcd = array.get(wmLabels, 9)
155         isAbEqCd = array.get(wmLabels, 10)
156         isAbcdExt = array.get(wmLabels, 11)
157         isDoubleTop = array.get(wmLabels, 12) and dir < 0
158         isDoubleBottom = array.get(wmLabels, 12) and dir > 0
159
160         labelText = isGartley ? 'Gartley' : ''
161         labelText := labelText + (isCrab ? (LabelText == '' ? '' : '\n') + 'Crab' : '')
162         labelText := labelText + (isDeepCrab ? (LabelText == '' ? '' : '\n') + 'Deep Crab' : '')
163         labelText := labelText + (isBat ? (LabelText == '' ? '' : '\n') + 'Bat' : '')
164         labelText := labelText + (isButterfly ? (LabelText == '' ? '' : '\n') + 'Butterfly' : '')
165         labelText := labelText + (isShark ? (LabelText == '' ? '' : '\n') + 'Shark' : '')
166         labelText := labelText + (isCypher ? (LabelText == '' ? '' : '\n') + 'Cypher' : '')
167         labelText := labelText + (is3Drives ? (LabelText == '' ? '' : '\n') + '3 Drive' : '')
168         labelText := labelText + (isFiveZero ? (LabelText == '' ? '' : '\n') + '5-0' : '')
169         labelText := labelText + (isAbcd ? (LabelText == '' ? '' : '\n') + 'ABCD' : '')
170         labelText := labelText + (isAbEqCd ? (LabelText == '' ? '' : '\n') + 'ABEqCD' : '')
171         labelText := labelText + (isAbcdExt ? (LabelText == '' ? '' : '\n') + 'ABCD Extension' : '')
172         labelText := labelText + (isDoubleTop ? (LabelText == '' ? '' : '\n') + 'Double Top' : '')
173         labelText := labelText + (isDoubleBottom ? (LabelText == '' ? '' : '\n') + 'Double Bottom' : '')
174         trendColor = dir > 0 ? bullishColor : bearishColor
175
176         baseLabel = label.new(x-bar, y-price, text=labelText, yloc=yloc.price, color=trendColor, style=dir < 1 ? label.style_label_down : label.style_label_up, textcolor=color.black, size=size.normal)
177         baseLabel
178
179 detect_harmonic_pattern(zigzagpivots, zigzagpivotbars, zigzagpivotdirs, wmlines, wmlabel, wmtypes, wmLabels, zigzagColor, zigzagWidth, zigzagStyle, showZigZag) =>
180     start = waitForConfirmation ? 1 : 0
181     wm_pattern = false
182     abcd_pattern = false
183     double_pattern = false
184
185     //2. now check for harmonic patterns
186     if start > 0 and showZigZag

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184
185     d = array.get(zigzagpivots, start + 0)
186     dBar = array.get(zigzagpivotbars, start + 0)
187     dDir = array.get(zigzagpivotdirs, start + 0)
188
189     c = array.get(zigzagpivots, start + 1)
190     cBar = array.get(zigzagpivotbars, start + 1)
191     cDir = array.get(zigzagpivotdirs, start + 1)
192
193     b = array.get(zigzagpivots, start + 2)
194     bBar = array.get(zigzagpivotbars, start + 2)
195     bDir = array.get(zigzagpivotdirs, start + 2)
196
197     a = array.get(zigzagpivots, start + 3)
198     aBar = array.get(zigzagpivotbars, start + 3)
199     aDir = array.get(zigzagpivotdirs, start + 3)
200
201     x = array.get(zigzagpivots, start + 4)
202     xBar = array.get(zigzagpivotbars, start + 4)
203     xDir = array.get(zigzagpivotdirs, start + 4)
204
205     y = array.get(zigzagpivots, start + 5)
206     yBar = array.get(zigzagpivotbars, start + 5)
207     yDir = array.get(zigzagpivotdirs, start + 5)
208
209     highPoint = math.max(x, a, b, c, d)
210     lowPoint = math.min(x, a, b, c, d)
211     dir = c > d ? 1 : -1
212
213     xabRatio = math.abs(b - a) / math.abs(x - a)
214     abcRatio = math.abs(c - b) / math.abs(a - b)
215     bcdRatio = math.abs(d - c) / math.abs(b - c)
216     xadRatio = math.abs(d - a) / math.abs(x - a)
217     yxaRatio = math.abs(a - x) / math.abs(y - x)
218
219     abTime = math.abs(aBar - bBar)
220     cdTime = math.abs(cBar - dBar)
221     abPrice = math.abs(a - b)
222     cdPrice = math.abs(c - d)
223
224     time_ratio = cdTime / abTime
225     price_ratio = cdPrice / abPrice
226     abcdDirection = a < b and a < c and c < b and c < d and a < d and b < d ? 1 : a > b and a > c and c > b and c > d and a > d and b > d ? -1 : 0
227
228     risk = math.abs(b - d)
229     reward = math.abs(c - d)
230     riskPerReward = risk * 100 / (risk + reward)
231
232     if b < highPoint and b > lowPoint
233         //Garley
234         if gartiey and xabRatio > 0.618 * err_min and xabRatio <= 0.618 * err_max and abcRatio >= 0.382 * err_min and abcRatio <= 0.886 * err_max and (bcdRatio >= 1.272 * err_min and bcdRatio <
235             | wmpattern := true
236             | array.set(wmLabels, 0, true)
237         else
238             | array.set(wmLabels, 0, false)
239         //Crab
240         if crab and xabRatio >= 0.382 * err_min and xabRatio <= 0.618 * err_max and abcRatio >= 0.382 * err_min and abcRatio <= 0.886 * err_max and (bcdRatio >= 2.24 * err_min and bcdRatio <= 3
241             | wmpattern := true
242             | array.set(wmLabels, 1, true)
243         else
244             | array.set(wmLabels, 1, false)
245         //Deep Crab
246         if deepcrab and xabRatio >= 0.886 * err_min and xabRatio <= 0.886 * err_max and abcRatio >= 0.382 * err_min and abcRatio <= 0.886 * err_max and (bcdRatio >= 2.00 * err_min and bcdRatio <=
247             | wmpattern := true
248             | array.set(wmLabels, 2, true)
249         else
250             | array.set(wmLabels, 2, false)
251         //Bat
252         if bat and xabRatio >= 0.382 * err_min and xabRatio <= 0.50 * err_max and abcRatio >= 0.382 * err_min and abcRatio <= 0.886 * err_max and (bcdRatio >= 1.618 * err_min and bcdRatio <= 2.
253             | wmpattern := true
254             | array.set(wmLabels, 3, true)
255         else
256             | array.set(wmLabels, 3, false)
257         //Butterfly
258         if butterfly and xabRatio >= 0.786 * err_min and xabRatio <= 0.786 * err_max and abcRatio >= 0.382 * err_min and abcRatio <= 0.886 * err_max and (bcdRatio >= 1.618 * err_min and bcdRatio <=
259             | wmpattern := true
260             | array.set(wmLabels, 4, true)
261         else
262             | array.set(wmLabels, 4, false)
263         //Shark
264         if shark and abcRatio >= 1.13 * err_min and abcRatio <= 1.618 * err_max and bcdRatio >= 1.618 * err_min and bcdRatio <= 2.24 * err_max and xadRatio >= 0.886 * err_min and xadRatio <= 1.
265             | wmpattern := true
266             | array.set(wmLabels, 5, true)
267         else
268             | array.set(wmLabels, 5, false)
269         //Cypher
270         if cypher and xabRatio >= 0.382 * err_min and xabRatio <= 0.618 * err_max and abcRatio >= 1.13 * err_min and abcRatio <= 1.414 * err_max and (bcdRatio >= 1.272 * err_min and bcdRatio <=
271             | wmpattern := true
272             | array.set(wmLabels, 6, true)
273         else
274             | array.set(wmLabels, 6, false)
275         //3 drive
276         if threeDrives and yxaRatio >= 0.618 * err_min and yxaRatio <= 0.618 * err_max and xabRatio >= 1.27 * err_min and xabRatio <= 1.618 * err_max and abcRatio >= 0.618 * err_min and abcRatio <=
277             | wmpattern := true
278             | array.set(wmLabels, 7, true)
279         else
280             | array.set(wmLabels, 7, false)
281         //5-0
282         if fiveZero and xabRatio >= 1.13 * err_min and xabRatio <= 1.618 * err_max and abcRatio >= 1.618 * err_min and abcRatio <= 2.24 * err_max and bcdRatio >= 0.5 * err_min and bcdRatio <= 0.5 *
283             | wmpattern := true
284             | array.set(wmLabels, 8, true)
285         else
286             | array.set(wmLabels, 8, false)
287         //ABCD Classic
288         if abcdClassic and abcRatio >= 0.618 * err_min and abcRatio <= 0.786 * err_max and bcdRatio >= 1.272 * err_min and bcdRatio <= 1.618 * err_max and abcdDirection != 0
289             | abcdPattern := true
290             | array.set(wmLabels, 9, true)
291         else
292             | array.set(wmLabels, 9, false)
293         //AB-CD
294         if abEqcd and time_ratio > err_min and time_ratio <= err_max and price_ratio >= err_min and price_ratio <= err_max and abcdDirection != 0
295             | abcdPattern := true
296             | array.set(wmLabels, 10, true)
297         else
298             | array.set(wmLabels, 10, false)
299         //ABCD Ext
300         if abcdExt and price_ratio >= 1.272 * err_min and price_ratio <= 1.618 * err_max and abcRatio >= 0.618 * err_min and abcRatio <= 0.786 * err_max and abcdDirection != 0
301             | abcdPattern := true
302             | array.set(wmLabels, 11, true)
303         else
304             | array.set(wmLabels, 11, false)
305         //Double Top/Bottom
306         if doubleBottomTop and (dDir == 1 and bDir == 2 and cDir == -1 or dDir == -1 and bDir == -2 and cDir == 1) and riskPerReward < MaxRiskPerReward
307             | doublePattern := true
308             | array.set(wmLabels, 12, true)
309         else
310             | array.set(wmLabels, 12, false)
311
312         cancelW = false
313         cancelA = false
314         cancelD = false
315
316         if wmpattern[1] and x == x[1] and a == a[1] and b == b[1] and c == c[1]
317             | line.delete(array.get(wmlines, 0))
318             | line.delete(array.get(wmlines, 1))
319             | line.delete(array.get(wmlines, 2))
320             | line.delete(array.get(wmlines, 3))
321             | line.delete(array.get(wmlines, 4))
322             | line.delete(array.get(wmlines, 5))
323             | ...
324

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275     line.delete(array.get(wmlines, b))
276     line.delete(array.get(wmlines, 7))
277     label.delete(array.get(wmlabel, 0))
278     cancelW := true
279     cancelW
280
281     if abcd_pattern[1] and a == a[1] and b == b[1] and c == c[1]
282         line.delete(array.get(wmlines, 1))
283         line.delete(array.get(wmlines, 2))
284         line.delete(array.get(wmlines, 3))
285         label.delete(array.get(wmlabel, 0))
286         cancelA := true
287         cancelA
288
289     if double_pattern[1] and a == a[1] and b == b[1] and c == c[1]
290         line.delete(array.get(wmlines, 5))
291         label.delete(array.get(wmlabel, 0))
292         cancelD := true
293         cancelD
294
295     if wm_pattern
296         xa = line.new(y1=x, y2=x, x1=aBar, x2=aBar, color=zigzagColor, width=zigzagWidth, style=zigzagStyle)
297         ab = line.new(y1=a, y2=b, x1=aBar, x2=bBar, color=zigzagColor, width=zigzagWidth, style=zigzagStyle)
298         bc = line.new(y1=b, y2=c, x1=bBar, x2=cBar, color=zigzagColor, width=zigzagWidth, style=zigzagStyle)
299         cd = line.new(y1=c, y2=d, x1=cBar, x2=dBar, color=zigzagColor, width=zigzagWidth, style=zigzagStyle)
300         xb = line.new(y1=x, y2=b, x1=xBar, x2=bBar, color=zigzagColor, width=zigzagWidth, style=zigzagStyle)
301         bd = line.new(y1=x, y2=d, x1=xBar, x2=dBar, color=zigzagColor, width=zigzagWidth, style=zigzagStyle)
302         xd = line.new(y1=x, y2=d, x1=xBar, x2=dBar, color=zigzagColor, width=zigzagWidth, style=zigzagStyle)
303         ax = line.new(y1=a, y2=c, x1=aBar, x2=cBar, color=zigzagColor, width=zigzagWidth, style=zigzagStyle)
304         array.set(wmlines, 0, xa)
305         array.set(wmlines, 1, ab)
306         array.set(wmlines, 2, bc)
307         array.set(wmlines, 3, cd)
308         array.set(wmlines, 4, xb)
309         array.set(wmlines, 5, bd)
310         array.set(wmlines, 6, xd)
311         array.set(wmlines, 7, ac)
312         array.set(wmtype, 0, dir)
313
314     if abcd_pattern and not wm_pattern
315         ab = line.new(y1=a, y2=b, x1=aBar, x2=bBar, color=zigzagColor, width=zigzagWidth, style=zigzagStyle)
316         bc = line.new(y1=b, y2=c, x1=bBar, x2=cBar, color=zigzagColor, width=zigzagWidth, style=zigzagStyle)
317         cd = line.new(y1=c, y2=d, x1=cBar, x2=dBar, color=zigzagColor, width=zigzagWidth, style=zigzagStyle)
318         array.set(wmlines, 1, ab)
319         array.set(wmlines, 2, bc)
320         array.set(wmlines, 3, cd)
321         array.set(wmtype, 0, dir)
322
323     if double_pattern and not wm_pattern
324         bd = line.new(y1=b, y2=d, x1=bBar, x2=dBar, color=zigzagColor, width=zigzagWidth, style=zigzagStyle)
325         array.set(wmlines, 5, bd)
326         array.set(wmtype, 0, dir)
327
328     if wm_pattern or abcd_pattern or double_pattern
329         array.set(wmlabel, 0, get_harmonic_label(wmLabels, dir, d, dBar))
330
331     pattern = wm_pattern and not wmlPattern[1] or abcd_pattern and not abcd_pattern[1] or double_pattern and not double_pattern[1]
332     pattern
333
334     zigzag(zigzagLength, zigzagPivots1, zigzagPivotBars1, zigzagPivotDir1)
335     zigzag(zigzagLength, zigzagPivots2, zigzagPivotBars2, zigzagPivotDir2)
336     zigzag(zigzagLength, zigzagPivots3, zigzagPivotBars3, zigzagPivotDir3)
337     zigzag(zigzagLength, zigzagPivots4, zigzagPivotBars4, zigzagPivotDir4)
338
339     wmpattern1 = detect_harmonic_pattern(zigzagPivots1, zigzagPivotBars1, wmlines1, wmlabel1, wmtypes1, wmlabels1, zigzag1Color, zigzag1Width, zigzag1Style, showZigZag1)
340     wmpattern2 = detect_harmonic_pattern(zigzagPivots2, zigzagPivotBars2, wmlines2, wmlabel2, wmtypes2, wmlabels2, zigzag2Color, zigzag2Width, zigzag2Style, showZigZag2)
341     wmpattern3 = detect_harmonic_pattern(zigzagPivots3, zigzagPivotBars3, wmlines3, wmlabel3, wmtypes3, wmlabels3, zigzag3Color, zigzag3Width, zigzag3Style, showZigZag3)
342     wmpattern4 = detect_harmonic_pattern(zigzagPivots4, zigzagPivotBars4, wmlines4, wmlabel4, wmtypes4, wmlabels4, zigzag4Color, zigzag4Width, zigzag4Style, showZigZag4)
343
344     alertcondition(wmpattern1 or wmpattern2 or wmpattern3 or wmpattern4, title='New harmonic pattern alert', message='New harmonic pattern detected on {ticker}')
345
346     var stats = table.new(position=position.top_right, columns=8, rows=max_pivot_size + 2, border_width=1)
347
348     if barstart.islast and showStatTable
349         if showZigZag1
350             table.cell(table_id=stats, column=0, row=0, text='Zigzag ' + str.tostring(zigzagLength), bgcolor=color.black, text_color=color.white)
351             table.cell(table_id=stats, column=0, row=1, text='Price', bgcolor=color.black, text_color=color.white)
352             table.cell(table_id=stats, column=1, row=1, text='BarIndex', bgcolor=color.black, text_color=color.white)
353
354             for i = 0 to array.size(zigzagPivots1) - 1 by 1
355                 bgcolor = array.get(zigzagPivotDir1, i) == 1 ? color.lime : color.orange
356                 table.cell(table_id=stats, column=0, row=i + 2, text=str.tostring(array.get(zigzagPivots1, i)), bgcolor=bgcolor)
357                 table.cell(table_id=stats, column=1, row=i + 2, text=str.tostring(array.get(zigzagPivotBars1, i)), bgcolor=bgcolor)
358
359         if showZigZag2
360             table.cell(table_id=stats, column=2, row=0, text='Zigzag ' + str.tostring(zigzagLength), bgcolor=color.black, text_color=color.white)
361             table.cell(table_id=stats, column=2, row=1, text='Price', bgcolor=color.black, text_color=color.white)
362             table.cell(table_id=stats, column=3, row=1, text='BarIndex', bgcolor=color.black, text_color=color.white)
363
364             for i = 0 to array.size(zigzagPivots2) - 1 by 1
365                 bgcolor = array.get(zigzagPivotDir2, i) == 1 ? color.lime : color.orange
366                 table.cell(table_id=stats, column=2, row=i + 2, text=str.tostring(array.get(zigzagPivots2, i)), bgcolor=bgcolor)
367                 table.cell(table_id=stats, column=3, row=i + 2, text=str.tostring(array.get(zigzagPivotBars2, i)), bgcolor=bgcolor)
368
369         if showZigZag3
370             table.cell(table_id=stats, column=4, row=0, text='Zigzag ' + str.tostring(zigzagLength), bgcolor=color.black, text_color=color.white)
371             table.cell(table_id=stats, column=4, row=1, text='Price', bgcolor=color.black, text_color=color.white)
372             table.cell(table_id=stats, column=5, row=1, text='BarIndex', bgcolor=color.black, text_color=color.white)
373
374             for i = 0 to array.size(zigzagPivots3) - 1 by 1
375                 bgcolor = array.get(zigzagPivotDir3, i) == 1 ? color.lime : color.orange
376                 table.cell(table_id=stats, column=4, row=i + 2, text=str.tostring(array.get(zigzagPivots3, i)), bgcolor=bgcolor)
377                 table.cell(table_id=stats, column=5, row=i + 2, text=str.tostring(array.get(zigzagPivotBars3, i)), bgcolor=bgcolor)
378
379         if showZigZag4
380             table.cell(table_id=stats, column=6, row=0, text='Zigzag ' + str.tostring(zigzagLength), bgcolor=color.black, text_color=color.white)
381             table.cell(table_id=stats, column=6, row=1, text='Price', bgcolor=color.black, text_color=color.white)
382             table.cell(table_id=stats, column=7, row=1, text='BarIndex', bgcolor=color.black, text_color=color.white)
383
384             for i = 0 to array.size(zigzagPivots4) - 1 by 1
385                 bgcolor = array.get(zigzagPivotDir4, i) == 1 ? color.lime : color.orange
386                 table.cell(table_id=stats, column=6, row=i + 2, text=str.tostring(array.get(zigzagPivots4, i)), bgcolor=bgcolor)
387                 table.cell(table_id=stats, column=7, row=i + 2, text=str.tostring(array.get(zigzagPivotBars4, i)), bgcolor=bgcolor)
388
389

```

Comments

Leave a comment that is helpful or encouraging. Let's master the markets together

[Comment with cheer](#)

[Post Comment](#)

 **Andreas_Resch** PRO · Aug 13, 2021

350 coins

+8 ▲ Reply



RozaniGhani-RG **PRO+** · Aug 1, 2021

Hi, I really love this code.

I saw many potential of this code using array, there are more code can be converted into array.

Keep up the goo

500 coins

+4 ▲ Reply



HeWhoMustNotBeNamed **PREMIUM** · Aug 1, 2021

@RozaniGhani-RG, thanks very much for your support. Yeah I agree how powerful arrays are. What I am missing though is array of independent structure. If pine can provide that it will make things much simpler.

+1 ▲ Reply



KevInnerTrading **PRO+** · Aug 17, 2021

@HeWhoMustNotBeNamed, I really love your code, thanks so much! Really wonderful! Btw, what is an "array of independent structure", do you have an example in another language to understand what Pine Script doesn't currently support?

▲ Reply



HeWhoMustNotBeNamed **PREMIUM** · Aug 17, 2021

@OnlyLogicNoEmotions, Structure is group of elements which you can probably see in many programming languages. For example, If we consider Harmonic Pattern as one Object, we should be able to define it something like this:

```
HarmonicPattern{  
  
    float X;  
    float A;  
    float B;  
    float C;  
    float D;  
  
    int xBar;  
    int aBar;  
    int bBar;  
    int cBar;  
    int dBar;  
  
    line XA;  
    line AB;  
    line BC;  
    line CD;  
  
    float xabRatio;  
    float abcRatio;  
    float bcdRatio;  
    float xadRatio;  
  
    label patternLabel;  
}  
  
If we can create data structure like this,  
Every time we detect a pattern, we can create this object and push into an array as whole.  
  
Makes implementation much easier. At this point, I have been using different arrays for each of the items within
```

+4 ▲ Reply



KevInnerTrading **PRO+** · Aug 17, 2021

@HeWhoMustNotBeNamed, Ok I see so you need C like struct functionality. Do you have an idea why they don't add it? Struct are significantly less heavy than full Object/Class plus they could place limits on them. You only need very small structs anyways and it would clean up your code quite lot. Do think it is a computation/memory thing or another reason?

Also, random question what do you think is more computationally heavy allowing struct or multi-dimensional arrays?

▲ Reply



HeWhoMustNotBeNamed **PREMIUM** · Aug 17, 2021

@OnlyLogicNoEmotions, Yeah, I am more of object oriented programmer. But, I do love the liberty of interpreted scripts. Not sure of complexity involved. We are waiting for pine version 5 release. Expect huge improvements soon.

+1 ▲ Reply



Andreas_Resch **PRO** · Aug 12, 2021

Thanks a lot.

200 coins

+2 ▲ Reply



HeWhoMustNotBeNamed **PREMIUM** · Aug 13, 2021

@Andreas_Resch, Thanks for your support :)

+1 ▲ Reply



Andreas_Resch **PRO** · Aug 13, 2021

@HeWhoMustNotBeNamed ... A little suggestion for maybe a future update. Could you semi-transparently show (as an option with adjustable transparency) patterns that aren't confirmed yet? And once they are confirmed, they could be fully opaque.

+2 ▲ Reply



HeWhoMustNotBeNamed **PREMIUM** · Aug 13, 2021

@Andreas_Resch, Good suggestion. There is one issue though. Pattern recognition is pretty intensive operation. It sometimes take way too much memory and CPU and times out before it can produce results. Specially when you are using multiple and multi level zigzags with mXn combination of different depths. (This is something which I am working on at present).

Finding confirmed and non confirmed pattern takes equally same time. Hence, if we need to show both, it will be twice as slower. Creates more challenges with respect to loading time.

+1 ▲ Reply



Andreas_Resch **PRO** · Aug 13, 2021

@HeWhoMustNotBeNamed ... I understand. But if you make it optional, users can decide if their system is up to that task. Or maybe you'll find some clever way to optimize it. Just keep it in the back of your head. Cheers.

+1 ▲ Reply



FinTechKing · Jul 31, 2021



+2 ▲ Reply



ysever55 PRO+ · Sep 24, 2021



+1 ▲ Reply



HeWhoMustNotBeNamed PREMIUM

· Sep 24, 2021

@ysever55, thanks for your support.

▲ Reply



KevInnerTrading PRO+

· Aug 17, 2021



+1 ▲ Reply



blackranger99 · Aug 6, 2021

nice one mate



+1 ▲ Reply



HeWhoMustNotBeNamed PREMIUM

· Aug 6, 2021

@blackranger99, thanks very much :)

▲ Reply



PineCoders MOD

· Jul 31, 2021



+1 ▲ Reply



Jack_ishere PRO+

· Nov 30, 2021

thanks alot , that's awsome. Could you add alert to it?



▲ Reply



HeWhoMustNotBeNamed PREMIUM

· Nov 30, 2021

@Jack_ishere, Hi, this was kind of experiment. I have added Alerts etc in next versions - One of them is free and other one is invite only.



Feel free to have a look. And thanks very much for coins :)

[▲ Reply](#)

 **S Shiva_lord** · Jul 31, 2021 [🔗](#) [🕒](#) [🕒](#)

Just landed at your station , my search for harmonics finally ended. Wonderful script sir, now it's very easy for analysis. Can we get projection and entry exit with sl in coming days. Thanks in advanced

[+9 ▲ Reply](#)

 **P paithaned PRO** · Aug 5, 2021 [🔗](#) [🕒](#) [🕒](#)

Hi.. good code.. one thing I want to ask.. the indications come in after 2-3 bars..(I use 30 mins TF) when the movement has already gotten over... am I looking at it incorrectly or this is the way it has to be? thanks in advance for your response..

[+5 ▲ Reply](#)

 **H HeWhoMustNotBeNamed PREMIUM** · Aug 5, 2021 [🔗](#) [🕒](#) [🕒](#)

@paithaned, ideally yes. This is because patterns are only formed on pivots and it takes few bars to confirm pivots.

However, I have added an option - waitForConfirmation which is set to true by default. You can uncheck that to have faster signals. But, beware, this will also lead to lots of false signals.

[▲ Reply](#)

 **P paithaned PRO** · Sep 28, 2021 [🔗](#) [🕒](#) [🕒](#)

@HeWhoMustNotBeNamed, Thanks for your response.. I will try it with a shorter TF and extend it to a higher TF. Hope I get it right.. thanks again

[▲ Reply](#)

 **PC PineCoders MOD** · Jul 31, 2021 [🔗](#) [🕒](#) [🕒](#)

This publication is now featured in our Editors' Picks: tradingview.com/scripts/editors-picks/.

In the name of all TradingViewers, thank you for your valuable contribution to the community, and congrats!

[+4 ▲ Reply](#)

 **H HeWhoMustNotBeNamed PREMIUM** · Jul 31, 2021 [🔗](#) [🕒](#) [🕒](#)

@PineCoders, Thanks very much for the recognition and the coins :)

[+1 ▲ Reply](#)

 **A am33ik6684** · Jul 25, 2021 [🔗](#) [🕒](#) [🕒](#)

hi , bro

How to set the alert?

[+2 ▲ Reply](#)

 **H HeWhoMustNotBeNamed PREMIUM** · Jul 26, 2021 [🔗](#) [🕒](#) [🕒](#)

@am33ik6684, I have not added alerts yet. Will do it in next update.

[+1 ▲ Reply](#)

 **A am33ik6684** · Jul 26, 2021 [🔗](#) [🕒](#) [🕒](#)

@HeWhoMustNotBeNamed, It would be great if you set the alert on the indicator
tanx , bro

[+1 ▲ Reply](#)

 **H HeWhoMustNotBeNamed PREMIUM** · Jul 27, 2021 [🔗](#) [🕒](#) [🕒](#)

@am33ik6684, Added now.

[+1 ▲ Reply](#)

 **A am33ik6684** · Jul 27, 2021 [🔗](#) [🕒](#) [🕒](#)

@HeWhoMustNotBeNamed, woooow , so great...

[▲ Reply](#)

 **D DaniellKnoll** · Aug 28, 2021 [🔗](#) [🕒](#) [🕒](#)

sdf

[+1 ▲ Reply](#)

 **C conormcgurk1 PRO+** · Aug 25, 2021 [🔗](#) [🕒](#) [🕒](#)

Definitely more than coffee you are taking coming up with this gem!!! Excellent coding, well done!

[+1 ▲ Reply](#)

 **D dionvuletic** · Aug 25, 2021 [🔗](#) [🕒](#) [🕒](#)

Friggin awesome! I have waited years for this... thank you!

[+1 ▲ Reply](#)

 **R redzuana PRO+** · Aug 18, 2021 [🔗](#) [🕒](#) [🕒](#)

This is an amazing script. Thank you for your creation. It's definitely helpful in many situations

[+1 ▲ Reply](#)

 **H HeWhoMustNotBeNamed PREMIUM** · Aug 18, 2021 [🔗](#) [🕒](#) [🕒](#)

@redzuana, Thanks very much :)

[▲ Reply](#)

 **R RaiderYi** · Aug 16, 2021 [🔗](#) [🕒](#) [🕒](#)

well done bro
thanks

[+1 ▲ Reply](#)

 **S sudhir.mehta PREMIUM** · Aug 15, 2021 [🔗](#) [🕒](#) [🕒](#)

Thanked

1 comment

+1 ▲ Reply



sudhir.mehta PREMIUM

· Aug 15, 2021



Hi,

Thanks for sharing your great work. I am getting following processing comment when saved. Do not know what it is:

Processing script...

line 322: The variable 'a' is declared in local scope, which may not be executed at every update. So, obtaining its historical values may lead to unexpected results.
line 322: The variable 'b' is declared in local scope, which may not be executed at every update. So, obtaining its historical values may lead to unexpected results.
line 322: The variable 'c' is declared in local scope, which may not be executed at every update. So, obtaining its historical values may lead to unexpected results.
line 322: The variable 'x' is declared in local scope, which may not be executed at every update. So, obtaining its historical values may lead to unexpected results.
line 334: The variable 'a' is declared in local scope, which may not be executed at every update. So, obtaining its historical values may lead to unexpected results.
line 334: The variable 'b' is declared in local scope, which may not be executed at every update. So, obtaining its historical values may lead to unexpected results.
line 334: The variable 'c' is declared in local scope, which may not be executed at every update. So, obtaining its historical values may lead to unexpected results.
line 341: The variable 'a' is declared in local scope, which may not be executed at every update. So, obtaining its historical values may lead to unexpected results.
line 341: The variable 'b' is declared in local scope, which may not be executed at every update. So, obtaining its historical values may lead to unexpected results.
line 341: The variable 'c' is declared in local scope, which may not be executed at every update. So, obtaining its historical values may lead to unexpected results.

Script 'Multi ZigZag Harmonic Patterns' has been saved

+1 ▲ Reply



HeWhoMustNotBeNamed PREMIUM

· Aug 15, 2021



· @sudhir.mehta, that happens when you use same variable name in two scopes.

For example.

```
abc=20
for i = 0 to 10
    abc = i
```

abc declared outside loop is different variable than the one inside. In this case value of abc will not be overridden by loop. To overwrite same variable, you need to use := instead of =

The message you see is just warning and not hard error. Warning is provided because it could be user mistake to use = instead of :=

If you don't want to see them, just use unique variable names.

+▲ Reply



sudhir.mehta PREMIUM

· Aug 15, 2021



@HeWhoMustNotBeNamed, Thanks! It is a Great Work!

+1 ▲ Reply



osmantopel PRO

· Aug 9, 2021



so good, thanks

+1 ▲ Reply



neuraminidase7 PRO

· Aug 8, 2021



thank you!

+1 ▲ Reply



ChasinAlts PREMIUM

· Aug 2, 2021



When learning trading I often questioned what the general rules were as far as the variation in height for double tops/bottoms. Did they need to stop and reverse at the exact same level, could wicks be involved/etc. Over time I determined it a necessity (in my eyes) that the 2 points of the double top/bottom be at relatively the same level. Perhaps take this with a grain of salt but I found getting the slope of the line connecting the 2 points and making sure this slope is under a user defined limit that the signals were much more reliable (with FAR less of them even with low length settings which is what I was looking for. Great job and thanks for the open sourced work as it has helped to build something I wasn't able to before.

+1 ▲ Reply

HeWhoMustNotBeNamed PREMIUM

· Aug 2, 2021



@ChasinAlts, thanks for the input and comments. Concept of double top/bottom is simple.

1. Price hits bottom/top
2. Tries to break previous bottom or top but fails.
3. Price breaks above or below neckline confirming reversal.

There are few variations. In one of the interview of John Boltinger, he said he trades double bottom with respect to Bollinger bands. It means, second bottom/top may go beyond first one with respect to price. But, in relation to Bollinger bands if they can't go beyond (Using Bollinger percent B) and hits ma line, it's considered as forming pattern.

+▲ Reply



bin0829

· Aug 1, 2021



Hi

good job bro

I have question about the confirmation system in this indicator

When does this system confirm to enter the market?

+1 ▲ Reply

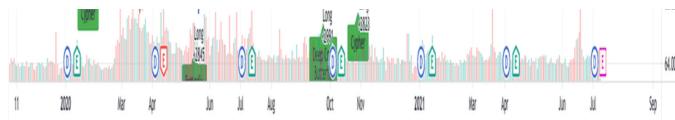
HeWhoMustNotBeNamed PREMIUM

· Aug 1, 2021



@bin0829, Hi, for entry you can do it based on certain percent of retracement after D. For example, 10% or CD retracement to be in trade. Similarly you can set stoploss on this basis. Point B can be first target and A, C can be next ones. Or you can also use certain fib ratio of CD for target. Some of the rules are implemented here:





But, that is single level harmonic pattern.

[▲ Reply](#)

FinTechKing · Jul 31, 2021 [🔗](#) [🔗](#)

Uncounted numbers of gun salute to you sir for this beautiful creation. Here people are looting all in the name of harmonics and wave. I become ur die heart fan for making it to be used by all. It's your kindness that you published script open source.

Keep helping community with your great knowledge and making all to safe place from fraud people.

Pls do add sir forecasting and entry target also.thanks in advance

Thanks from bottom of heart.

[+1](#) [▲ Reply](#)

HeWhoMustNotBeNamed PREMIUM · Jul 31, 2021 [🔗](#) [🔗](#)

@FinTechKing, Thanks very much for all the encouraging words and coins :) Lots of things can be done with time. Will update as and when possible.

[+1](#) [▲ Reply](#)

Gergi88 PRO+ · Jul 26, 2021 [🔗](#) [🔗](#)

hi! How much bars it takes to launch de alert? I recently use it and the alert prompts after 5 bars where the harmonic pattern is plotted

[+1](#) [▲ Reply](#)

HeWhoMustNotBeNamed PREMIUM · Jul 27, 2021 [🔗](#) [🔗](#)

@Gergi88, it depends on Length of zigzag and price movement. Signals are generated only on confirmed zigzag pivot. Otherwise, it Will lead to repaint.

[+1](#) [▲ Reply](#)

okor96 · Jul 25, 2021 [🔗](#) [🔗](#)

TNX man love it :D

[+1](#) [▲ Reply](#)

henryph24 PREMIUM · Jul 25, 2021 [🔗](#) [🔗](#)

tks so much for your generosity dearly !

[+1](#) [▲ Reply](#)

ETHOLDER PREMIUM · May 17 [🔗](#) [🔗](#)

Hi! Man, how can I setting alarms separating bearish signals from bullish signals please??? :

[▲ Reply](#)

derthommi PRO · May 11 [🔗](#) [🔗](#)

Hi @HeWhoMustNotBeNamed !
I have to say, that your script is awesome, great work. I tried to understand your script and triedmodified it a bit (only for own use). But I do not get it solved to avoid that overlapping of labels due to different ZigZag lengths.
Do you see any chance to avoid this, maybe theoretically?

Greetings

derThommi

[▲ Reply](#)

AngryTrader6299 · May 1 [🔗](#) [🔗](#)

can you add dotted or dashed line option for unconfirmed pattern this will help to know which pattern is going to prepare and when its confirmed line become solid
btw this indicator is awesome 😊 manual detection of harmonic pattern is time consuming , this indicator saves so much of time .

[▲ Reply](#)

evgen33322211 PRO · Apr 23 [🔗](#) [🔗](#)

Hello, I noticed that the script sends a notification that it will find a pattern, but there may not be a pattern on the chart, the confirmation checkmark is in true mode.
[▲ Reply](#)

Master_Harmonic_Trader · Apr 15 [🔗](#) [🔗](#)

Would you please add an option for signals to appear as small up or down arrows without showing the names of the patterns so the chart become more clear .. please sir
[▲ Reply](#)

jamilhossain3251 · Apr 10 [🔗](#) [🔗](#)

You're just awesome . You've done an amazing work,Carry it on , god bless you 😊

[▲ Reply](#)

ibimans · Feb 27 [🔗](#) [🔗](#)

Hello, great job. This is my favourite indicator on TW. I am wondering if is it possible to add 2 conditions, one for bullish patterns and one for bearish pattern in order to set 2 different alerts, one for buy signals and one for sell signals.

Thank you, Andrea.

[▲ Reply](#)

InnerVoice55 PRO · Feb 16 [🔗](#) [🔗](#)

Hii mate, this is one of best indicators for harmonic recognition... But i have idea why dont you give an option which can make lowest error possible down to 1% instead of 5%.So we have a choice..

[▲ Reply](#)

fathisadegh2 · Jan 1 [🔗](#) [🔗](#)

Hello
It is better if it sends a signal at the end of each pattern
Thank you for your effort

[▲ Reply](#)



Jack_ishere **PRO+** · Dec 15, 2021 [🔗](#) [📝](#)

thanks

[▲ Reply](#)



HeWhoMustNotBeNamed **Premium** · Dec 15, 2021 [🔗](#) [📝](#)

@Jack_ishere, Hey, can you please check Auto Harmonic Patterns V2 and above. I will not be updating this script anymore. This was just experiment. You can take it as reference and build on top of it.

[▲ Reply](#)



AbuAzam54 **PRO+** · Dec 13, 2021 [🔗](#) [📝](#)

you do great jobs thanks

there is small issue Cypher pattern should be 1.27 to 1.141 not 1.13 to 1.141

and thanks again

[▲ Reply](#)



Sporia **PRO+** · Dec 12, 2021 [🔗](#) [📝](#)

THIS IS MAD! WOW

[▲ Reply](#)



mtrade8888 **Premium** · Dec 8, 2021 [🔗](#) [📝](#)

is there a way to add alerts only for double bottoms, and double tops?

[▲ Reply](#)



YanicD **PRO+** · Dec 5, 2021 · TradingView for iOS [🔗](#) [📝](#)

Bravo ! Et merci pour nous faire bénéficier de votre travail !

[▲ Reply](#)



scantor516 **PRO+** · Oct 21, 2021 [🔗](#) [📝](#)

I love this indicator. Thank you so much for your service to this community. I have one suggestion: When "wait for confirmation" is toggled off, make unconfirmed pattern label appear in different color. Thanks again.

[▲ Reply](#)



Uzain · Oct 5, 2021 [🔗](#) [📝](#)

is it easier to add feature like to only show last formed pattern only OR last X amount of formed patterns?

[▲ Reply](#)

HeWhoMustNotBeNamed **Premium** · Oct 5, 2021 [🔗](#) [📝](#)

@Uzain, I am not updating this script anymore. Latest one is here:



[▲ Reply](#)



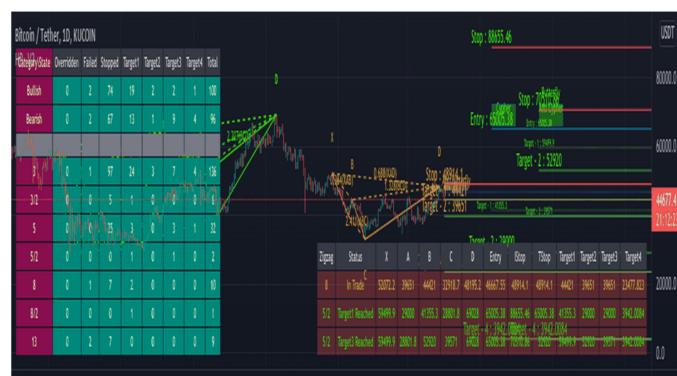
Cupduo593 · Sep 12, 2021 [🔗](#) [📝](#)

Excellent work and specially its free. God bless you for this amazing and great work..... Its all in one indicator for Harmonic Patterns. I hope it will be far better in future..... Thanks and best of luck

[▲ Reply](#)

HeWhoMustNotBeNamed **Premium** · Sep 12, 2021 [🔗](#) [📝](#)

@cupduo593, hi, there is an improved version



Mon Tue Wed Thu Fri Sat Sun

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Joy_Bangla PREMIUM · Sep 10, 2021 [»](#) [Reply](#)

One of the best indicators I have seen in recent times

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googlebuybtc PRO+ · Sep 5, 2021 [»](#) [Reply](#)

Hello sir, this is the greatest Harmonic Pattern script in TradingView. And could you please tell me how to delete the old labels? I added "label.delete(arrays.get(wmLabel, 0))", but it's not work. Seems the actual last label is not the last displaying label.Thanks a lot.

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googlebuybtc PRO+ · Sep 6, 2021 [»](#) [Reply](#)

@googlebuybtc, Well, I fixed this problem, just change max_labels_count to 1 and the old labels will be deleted automatically. Reference: tradingview.com/support/solutions/43000590233-i-see-memory-limits-exceeded-the-study-allocates-x-times-more-than-allowed-error

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The10thdimension PRO+ · Aug 29, 2021 [»](#) [Reply](#)

godly

[▲ Reply](#)



XchToTheMars · Aug 29, 2021 [»](#) [Reply](#)

很棒

[▲ Reply](#)



chdvikas77 · Aug 15, 2021 [»](#) [Reply](#)

hi,

my concern is whether it plots harmonic as soon as point D is complete, or harmonic gets plotted few candles after actually point D is confirmed & verified , like if point is confirmed on daily chart on date Aug.01, than harmonic will be drawn immediately or after 2-3 days on daily charts.

same applies to hourly.

please reply, waiting for your valuable response

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HeWhoMustNotBeNamed PREMIUM · Aug 15, 2021 [»](#) [Reply](#)

@chdvikas77, Please uncheck waitForConfirmation in the settings for no lag. But, this may also lead to false signals which gets removed later.

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musaalzandy002 · Aug 15, 2021 [»](#) [Reply](#)

ماهی طرق الحصول على هذا المؤشر mt4 -مؤشر جيل يساعد في تحديد النداج لكنك أريد أن أحصل عليه واضغط على

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chdvikas77 · Aug 13, 2021 [»](#) [Reply](#)

Hi, really gr8 & amazing script. search of harmonics end here.

but i have one doubt, can you please clarify

harmonic patterns drawn using this code are exactly at the time of last candle close as per pattern (point D) or it gets reflected only after few more candles are completed. (like 4-5 candles).
waiting for your valuable response.
thanks

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HeWhoMustNotBeNamed PREMIUM · Aug 13, 2021 [»](#) [Reply](#)

@chdvikas77, hi, this script isn't considering last close as D. It waits for pivot to form before getting D. Hence, there is bit of lag here. I think you can use waitForConfirmation = false in settings to use point before pivot is formed.

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chdvikas77 · Aug 15, 2021 [»](#) [Reply](#)

@HeWhoMustNotBeNamed,

thanks for response

by doing this, will pattern will reflect exactly at point D

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sanjjadh · Aug 11, 2021 [»](#) [Reply](#)

Thanks for creating the indicator. I am a newbie to all of this and it will certainly be helpful. Can I also trouble you to point me to some good books for learning and guidance? Also, I am unable to see any calls getting generated. Please let me know whether I am doing anything wrong.

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HeWhoMustNotBeNamed PREMIUM · Aug 11, 2021 [»](#) [Reply](#)

@sanjjadh, Primary thing you need for trading is this: youtube.com/watch?v=QgaTfTfQnZI
Rest, you will figure it out. All the best.

+1 [▲ Reply](#)



sanjjadh · Aug 15, 2021 [»](#) [Reply](#)

@HeWhoMustNotBeNamed Thank you for your time to answer my question.

[▲ Reply](#)



zx5862558 · Jul 30, 2021 [»](#) [Reply](#)

The script is lagging, and the pattern is formed but not displayed in time

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HeWhoMustNotBeNamed PREMIUM · Jul 30, 2021 [»](#) [Reply](#)

 @zx5862558, Hi, pivots take time to form. It is not possible to find the exact bottom or top before it is confirmed. Patterns get after after few bars of confirming zigzag pivot.

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