

PHP User Warning: fetch_template() calls should be replaced by the vB_Template class. Template name: bbcode_highlight inincludes/functions.php on line 4197

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VBForums VBForums CodeBank CodeBank - Visual Basic 6 and earlier Simple, but functional and VERY effective graph control

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Thread: Simple, but functional and VERY effective graph control

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Aug 14th, 2004, 03:46 PM #1

Wokawidget

Thread Starter

Super Moderator

Join Date: Nov 2001

Location: Headingly

Occupation: Classified

Posts: 9,633

Simple, but functional and VERY effective graph control

I have written a small compact graph usercontrol control.

- Features:
- Squigillians of points
 - Draw Line Graph
 - Draw Bar Graph
 - All Custom Colors
 - Draw Points
 - Draw Axis
 - Fixed Items
 - Save ALL grid and point properties to a file
 - Load a graph from a saved file

I think that's it.
With the graph it's possible to do the following:

- Draw a moving graph, like you see in task manager
- Draw a histogram, bar and line graphs
- Draw mathematical equations, like Sin Wave or x^2
- Draw a moving music graphic equaliser thingy like in media player
- Create a progress bar

It's something I knocked up in the last 24hrs. I can't find any bugs, but I am sure one of the little bastards is still lurking around

Any comments or suggestions would be great.

Cheers.

Woka

Attached Files

vbgraph.zip (11.3 KB, 17203 views)

Last edited by Wokawidget; Aug 16th, 2004 at 04:09 AM.

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Aug 18th, 2004, 11:18 AM #2

Wokawidget

Thread Starter

Super Moderator

Join Date: Nov 2001

Location: Headingly

Occupation: Classified

Posts: 9,633

Version 2.0

OK. Here's Version 2.0 of the control.
It can now handle multiple datasets


This allows you to add even more functionality...check out the music equalizer demo

This demo show's you most of the styles and functionality you can do with this control, except the Loading and Saving of the graph.
I will write a form and add it into the demo to do this.

Woooooof

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Last edited by Wokawidget; Aug 18th, 2004 at 11:36 AM.

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Aug 18th, 2004, 11:34 AM

#3

Wokawidget 

Thread Starter

Super Moderator



Join Date: Nov 2001
Location: Headingly
Occupation: Classified
Posts: 9,633

There are a few little bugs left, but they are hard to replicate 😞
I will clear them up soon.

One thing it doesn't do, is multiple datasets in bar mode. This is because the last dataset drawn overwrites the previous bars from the other datasets.

Not sure how to do this yet...maybe offset them or something. Hnmmmmmm

Woiof

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Apr 2nd, 2005, 09:43 AM

#4

Yeahdisk 

New Member



Join Date: Apr 2005
Posts: 7

Re: Simple, but functional and VERY effective graph control

Wow! Thanks a lot!

One slight problem, when I try to open your sample programme so I can try and understand how it works, i Get the following errors:

"Line 13: Class vbGraph.Graph of control Graph1 was not a loaded control class." for each .frm

I guess this is me being inadequate in using VB, could someone possibly tell me what I need to do? I tried to install VBGraph as a component, but that didn't seem to work.

Cheers, Chris.

PS - Here is the VB Code I have for my application, does it seem straightforward to get the information that I am currently writing into the textboxes, to be represented in this chart?

```
Private Sub Timer1_Timer()  
Dim buffer() As Byte  
'define buffer to use for the data  
'in this configuration you can only send 8 bytes at a time
```

```
ReDim buffer(8)
```

```
'write to PIC  
HIDComm1.WriteTo buffer(), 8
```

```
'read data back from the PIC  
buffer() = HIDComm1.ReadFrom(8)
```

```
'put result from AN0 channel into first text box Its the 8 bits in each of  
'these buffers that I want to Chart in RealTime  
Text1.Text = buffer(1)
```

```
'put result from AN1 channel into second text box  
Text2.Text = buffer(2)
```

```
'put result from AN2 channel into third text box  
Text3.Text = buffer(3)
```

```
'put result from AN4 channel into fourth text box  
Text4.Text = buffer(4)
```

```
'put result from AN5 channel into fifth text box  
Text5.Text = buffer(5)
```

```
'put result from AN6 channel into sixth text box  
Text6.Text = buffer(6)
```

```
'put result from AN7 channel into seventh text box  
Text7.Text = buffer(7)
```

```
End Sub
```

```
Private Sub Form_Load()  
'connect to the USB device as the program starts  
HIDComm1.Connect
```

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```

End Sub

Private Sub Form_Terminate()
'disconnect from the USB device as prgoram ends
'THIS IS IMPORTANT
HIDComm1.Uninit

End Sub

Private Sub HIDComm1_ConnectSuccess(ByVal Status As Long)

Caption = "Huzzah! - Its Connected"

End Sub

Private Sub HIDComm1_Disconnected(ByVal Status As Long)

Caption = "Not Connected"

End Sub

Private Sub Timer2_Timer()
'try and reconnect the PIC
If HIDComm1.Connected = False Then
HIDComm1.Connect
End If

End Sub

```

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Apr 3rd, 2005, 02:31 AM

#5

CVMichael

PowerPoster

Join Date: Feb 2002
 Location: Canada, Toronto
 Posts: 5,792

Re: Simple, but functional and VERY effective graph control

Hi Wokawidget,

I did not look at your usercontrol, but reading about it, I got an idea.
 In this thread <http://www.vbforums.com/showthread.php?t=328242> , I did some reserch on fixing the distorted sound, and i got the solution with the trend thing, I tought you can use the same thing to draw graphs...

Anyways, I wrote some code to see what I mean, put a picturebox on the form, and paste the following code to see it in action.

The only functions I wrote are: DrawTrend, ExpandPoints, ExpandPointsB, and how to use them in Form_Load.

Maybe you can incorporate this in your graphing usercontrol...

VB Code:

```

1. Option Explicit
2.
3. Private Type POINT
4.     X As Double
5.     Y As Double
6. End Type
7.
8. Private Sub Form_Load()
9.     Dim SinglePoints(4) As Double, InTrendPoints() As POINT, OutTrendPoints(
10.
11.     SinglePoints(0) = 10
12.     SinglePoints(1) = 35
13.     SinglePoints(2) = 50
14.     SinglePoints(3) = 18
15.     SinglePoints(4) = 13
16.
17.     ' increase the "ExpandTo" param to have even more precision
18.     InTrendPoints = ExpandPoints(SinglePoints, 60)
19.     'InTrendPoints = ExpandPointsB(SinglePoints, 60) ' a simpler expand...
20.     OutTrendPoints = Trend(InTrendPoints, 3)
21.
22.     Picture1.AutoRedraw = True
23.     DrawTrend Picture1, InTrendPoints, RGB(180, 180, 180)
24.     DrawTrend Picture1, OutTrendPoints, vbBlue
25. End Sub
26.
27. Private Sub DrawTrend(Pic As PictureBox, Points() As POINT, ByVal Color As Long)
28.     Dim MaxY As Double, MaxX As Double, K As Long, EmptySpaceX As Double, Em
29.
30.     For K = 0 To UBound(Points)
31.         If Points(K).X > MaxX Then MaxX = Points(K).X
32.         If Points(K).Y > MaxY Then MaxY = Points(K).Y
33.     Next K
34.
35.     EmptySpaceX = MaxX * 0.1
36.     EmptySpaceY = MaxY * 0.1
37.
38.     Pic.Scale (-EmptySpaceX, MaxY + EmptySpaceY) - (MaxX + EmptySpaceX, -Empty

```

```

39.     Picture1.DrawWidth = 1
40.
41.     Pic.Line (-EmptySpaceX, 0)-(MaxX + EmptySpaceX, 0), RGB(128, 128, 128)
42.     Pic.Line (0, MaxY + EmptySpaceY)-(0, -EmptySpaceY), RGB(128, 128, 128)
43.
44.     Picture1.DrawWidth = 2
45.     Pic.PSet (Points(0).X, Points(0).Y), Color
46.
47.     If WithPoints Then
48.         For K = 1 To UBound(Points)
49.             Pic.PSet (Points(K).X, Points(K).Y), Color
50.         Next K
51.     Else
52.         For K = 1 To UBound(Points)
53.             Pic.Line -(Points(K).X, Points(K).Y), Color
54.         Next K
55.     End If
56. End Sub
57.
58. Private Function ExpandPointsB(InPoints() As Double, ExpandTo As Long) As POI
59.     Dim OutPoints() As POINT, K As Long, Per As Double, X As Long
60.
61.     If ExpandTo <= 2 Then Exit Function
62.     ReDim OutPoints(ExpandTo - 1)
63.
64.     For K = 0 To UBound(OutPoints)
65.         Per = K / CDbl(UBound(OutPoints))
66.         X = Round(UBound(InPoints) * Per)
67.
68.         OutPoints(K).X = K + 1
69.         OutPoints(K).Y = InPoints(X)
70.     Next K
71.
72.     ExpandPointsB = OutPoints
73. End Function
74.
75. Private Function ExpandPoints(InPoints() As Double, ExpandTo As Long) As POI
76.     Dim OutPoints() As POINT, K As Long, Per As Double, PerX As Double, LngX
77.
78.     If ExpandTo <= 2 Then Exit Function
79.     ReDim OutPoints(ExpandTo - 1)
80.
81.     For K = 0 To UBound(OutPoints) - 1
82.         Per = K / CDbl(UBound(OutPoints))
83.
84.         PerX = UBound(InPoints) * Per
85.         LngX = Fix(PerX)
86.
87.         OutPoints(K).X = K + 1
88.         OutPoints(K).Y = InPoints(LngX) + (InPoints(LngX + 1) - InPoints(Lng
89.     Next K
90.
91.     OutPoints(K).X = K + 1
92.     OutPoints(K).Y = InPoints(UBound(InPoints))
93.
94.     ExpandPoints = OutPoints
95. End Function
96.
97. Private Function Trend(Data() As POINT, ByVal Degree As Long) As POINT()
98.     'degree 1 = straight line y=a+bx
99.     'degree n = polynomials!!
100.
101.     Dim a() As Double
102.     Dim Ai() As Double
103.     Dim b() As Double
104.     Dim P() As Double
105.     Dim SigmaA() As Double
106.     Dim SigmaP() As Double
107.     Dim PointCount As Long
108.     Dim MaxTerm As Long
109.     Dim m As Long, n As Long
110.     Dim i As Long, j As Long
111.     Dim Ret() As POINT
112.
113.     Degree = Degree + 1
114.
115.     MaxTerm = (2 * (Degree - 1))
116.     PointCount = UBound(Data) + 1
117.
118.     ReDim SigmaA(MaxTerm - 1)
119.     ReDim SigmaP(MaxTerm - 1)
120.
121.     ' Get the coefficients lists for matrices A, and P
122.     For m = 0 To (MaxTerm - 1)
123.         For n = 0 To (PointCount - 1)
124.             SigmaA(m) = SigmaA(m) + (Data(n).X ^ (m + 1))
125.             SigmaP(m) = SigmaP(m) + ((Data(n).X ^ m) * Data(n).Y)
126.         Next
127.     Next
128.
129.     ' Create Matrix A, and fill in the coefficients
130.     ReDim a(Degree - 1, Degree - 1)

```

```

131.     For i = 0 To (Degree - 1)
132.         For J = 0 To (Degree - 1)
133.             If i = 0 And J = 0 Then
134.                 a(i, J) = PointCount
135.             Else
136.                 a(i, J) = SigmaA((i + J) - 1)
137.             End If
138.         Next
139.     Next
140.
141.     ' Create Matrix P, and fill in the coefficients
142.     ReDim P(Degree - 1, 0)
143.     For i = 0 To (Degree - 1)
144.         P(i, 0) = SigmaP(i)
145.     Next
146.
147.     ' We have A, and P of AB=P, so we can solve B because B=AiP
148.     Ai = MxInverse(a)
149.     b = MxMultiplyCV(Ai, P)
150.
151.     ' Now we solve the equations and generate the list of points
152.     PointCount = PointCount - 1
153.     ReDim Ret(PointCount)
154.
155.     ' Work out non exponential first term
156.     For i = 0 To PointCount
157.         Ret(i).X = Data(i).X
158.         Ret(i).Y = b(0, 0)
159.     Next
160.
161.     ' Work out other exponential terms including exp 1
162.     For i = 0 To PointCount
163.         For J = 1 To Degree - 1
164.             Ret(i).Y = Ret(i).Y + (b(J, 0) * Ret(i).X ^ J)
165.         Next
166.     Next
167.
168.     Trend = Ret
169. End Function
170.
171. Private Function MxMultiplyCV(Matrix1() As Double, ColumnVector() As Double)
172.     Dim i As Long
173.     Dim J As Long
174.     Dim Rows As Long
175.     Dim Cols As Long
176.     Dim Ret() As Double
177.
178.     Rows = UBound(Matrix1, 1)
179.     Cols = UBound(Matrix1, 2)
180.
181.     ReDim Ret(UBound(ColumnVector, 1), 0) 'returns a column vector
182.
183.     For i = 0 To Rows
184.         For J = 0 To Cols
185.             Ret(i, 0) = Ret(i, 0) + (Matrix1(i, J) * ColumnVector(J, 0))
186.         Next
187.     Next
188.
189.     MxMultiplyCV = Ret
190. End Function
191.
192. Private Function MxInverse(Matrix() As Double) As Double()
193.     Dim i As Long
194.     Dim J As Long
195.     Dim Rows As Long
196.     Dim Cols As Long
197.     Dim Tmp() As Double
198.     Dim Ret() As Double
199.     Dim Degree As Long
200.
201.     Tmp = Matrix
202.
203.     Rows = UBound(Tmp, 1)
204.     Cols = UBound(Tmp, 2)
205.     Degree = Cols + 1
206.
207.     'Augment Identity matrix onto matrix M to get [M|I]
208.     ReDim Preserve Tmp(Rows, (Degree * 2) - 1)
209.     For i = Degree To (Degree * 2) - 1
210.         Tmp(i Mod Degree, i) = 1
211.     Next
212.
213.     ' Now find the inverse using Gauss-Jordan Elimination which should get u
214.     MxGaussJordan Tmp
215.
216.     ' Copy the inverse (A-1) part to array to return
217.     ReDim Ret(Rows, Cols)
218.     For i = 0 To Rows
219.         For J = Degree To (Degree * 2) - 1
220.             Ret(i, J - Degree) = Tmp(i, J)
221.         Next
222.     Next

```

```

223.
224.     MxInverse = Ret
225. End Function
226.
227. Private Sub MxGaussJordan(Matrix() As Double)
228.     Dim Rows As Long
229.     Dim Cols As Long
230.     Dim P As Long
231.     Dim i As Long
232.     Dim J As Long
233.     Dim m As Double
234.     Dim d As Double
235.     Dim Pivot As Double
236.
237.     Rows = UBound(Matrix, 1)
238.     Cols = UBound(Matrix, 2)
239.
240.     ' Reduce so we get the leading diagonal
241.     For P = 0 To Rows
242.         Pivot = Matrix(P, P)
243.
244.         For i = 0 To Rows
245.             If Not P = i Then
246.                 m = Matrix(i, P) / Pivot

```

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Apr 3rd, 2005, 08:28 AM

#6

Wokawidget
Thread Starter
 Super Moderator

 Join Date: Nov 2001
 Location: Headingly
 Occupation: Classified
 Posts: 9,633
Re: Simple, but functional and VERY effective graph control

Very nice code indeed! 🙌

Should be quite easy to add in.

All that should be need, at 1st glance, if a function to take the data from one dataset, and pass it through those functions above, and return another dataset with many many point (so it looks like a curve).

Woka

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Aug 14th, 2005, 06:03 AM

#7

rookie7799
 Lively Member


 Join Date: Feb 2005
 Posts: 115
Re: Version 2.0
 Originally Posted by **Wokawidget**

 OK. Here's Version 2.0 of the control.
 It can now handle multiple datasets 🎉

This allows you to add even more functionality...check out the music equalizer demo 😊

 This demo show's you most of the styles and functionality you can do with this control, except the Loading and Saving of the graph.
 I will write a form and add it into the demo to do this.

Woaaaaa

 This is one great program! Thanks a lot for sharing it.
 I have couple of questions tho 😊

1. Is it possible to add Hscroll to line graph, so that if we have about 10000 points to put on the graph we can, lets say see only 100 of them on the picture and then when scrolling see the others. Sort of like real time graph but old point don't disapear they stay there and can be seen if scrolled back.

2. Zoom in, zoom out 🤖 Maybe?

3. A small tutorial on how to do this of course not the whole thing just to have a idea...

4. Make the graph interactive. show the points, label them when mouse point on one it will show it's coordinates

5. Just kidding 🤖 that's a lot to ask already.

GREAT JOB MAN 🙌

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May 23rd, 2006, 05:19 AM

#8

c0d3r ◊

New Member



Join Date: May 2006

Location: Pakistan

Posts: 1

Re: Simple, but functional and VERY effective graph control

Hello Woka ☺☺

Firstly .. its a gr8 program that u have written and it is really helpfull for n00bs like me ☺ . But as i am still a n00b ☹ , i am having some problems with using vbgraph. I made an ocx from the vb project u posted, and included in my project. Now, all the settings are understandable but i have no clue as to how to pass on the data to be graphed ?? i cud'nt see no variables or arrays or anything of the sort and there was nothing on the post ☹ . Im using it to make a PC based Oscilloscope (or atleast planning to use vbgraph for plotting data) coz i cud'nt find any other method to plot data in realtime(any suggestions will be greatly appreciated ☺)
Also, can data values below zero be plotted on the graph ?? If so how ??

Thanx a lot Hope'ing for a speedy response

<< c0d3r >>

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May 23rd, 2006, 10:58 AM

#9

Wokawidget ◊

Thread Starter

Super Moderator



Join Date: Nov 2001

Location: Headingly

Occupation: Classified

Posts: 9,633

Re: Simple, but functional and VERY effective graph control

Thanks ☺

If you open the demo project and look at the code in the forms...frmMusic, frmBars etc.
You will see the code that adds the data to the graph. It's very simple.

Woof

PS, and yes, it does plot -ve values.

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Jul 25th, 2006, 11:03 PM

#10

cackle61 ◊

New Member



Join Date: Jul 2006

Posts: 2

Re: Simple, but functional and VERY effective graph control

I just stumbled on your code and it looks like just what I need. Having read through the thread, I notice you haven't answered a couple of questions which are particularly relevant to me:

1) "Yeahdisk" writes: "One slight problem, when I try to open your sample programme so I can try and understand how it works, i Get the following errors:
"Line 13: Class vbGraph.Graph of control Graph1 was not a loaded control class." for each .frm"

I get this too. How do I overcome it and more importantly, how do I access the control in my own projects? ☹

2) Rookie7799 writes: "Is it possible to add Hscroll to line graph, so that if we have about 10000 points to put on the graph we can, lets say see only 100 of them on the picture and then when scrolling see the others. Sort of like real time graph but old point don't disapear they stay there and can be seen if scrolled back."

this is just what I need.

TIA

Cheers ☺

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Jul 26th, 2006, 02:12 AM

#11

Wokawidget ◊

Thread Starter

Super Moderator



Join Date: Nov 2001

Location: Headingly

Occupation: Classified

Posts: 9,633

Re: Simple, but functional and VERY effective graph control

1) Are you opening the solution file or the project file?

2) Yes it is perfectly possible...if you want to write it. I don't do VB6 anymore I am afraid.

Woka

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Jul 26th, 2006, 02:18 AM


#12

cackle61 ◊

New Member

Re: Simple, but functional and VERY effective graph control

<div><div></div><div>Join Date: Jul 2006 Posts: 2</div></div>	<div>1) the project file. I did also try one with the file extension .vbg - is that the solution file? how do I access the control in other projects? 2) I could give it a crack - any hints on how (I'm still a novice)? I've noticed that you used a picture box as the basis of the graph, but this doesn't include scroll bars in its properties. Thanks</div> <div><div>Reply</div><div>Reply With Quote</div></div> <div>(rate this post)</div>
Jul 26th, 2006, 02:39 AM	#13
<div><div>Wokawidget</div><div>Thread Starter Super Moderator</div><div><div></div><div>Join Date: Nov 2001 Location: Headingly Occupation: Classified Posts: 9,633</div></div></div>	<div>Re: Simple, but functional and VERY effective graph control 1) Yea, open vbg. Compile the vbGraph project then add the OCX to your other project. 2) Nope. It certainly won't be easy 😞 Woka</div> <div><div>Reply</div><div>Reply With Quote</div></div> <div>(rate this post)</div>
Aug 13th, 2007, 12:49 PM	#14
<div><div>sukhdev.v</div><div>New Member</div><div><div></div><div>Join Date: Aug 2007 Posts: 11</div></div></div>	<div>Re: Simple, but functional and VERY effective graph control gr8 control!!!</div> <div><div>Reply</div><div>Reply With Quote</div></div> <div>(rate this post)</div>
Aug 13th, 2007, 12:50 PM	#15
<div><div>sukhdev.v</div><div>New Member</div><div><div></div><div>Join Date: Aug 2007 Posts: 11</div></div></div>	<div>Re: Simple, but functional and VERY effective graph control Hi WokaWidget, It a Gr8 Control, But will be Better if you can post a sample project showing how to show DATA from a Database, on to the GRAPH!!! Thanks for this wonderful control, Keep it up. 🍻</div> <div><div>Reply</div><div>Reply With Quote</div></div> <div>(rate this post)</div>
Aug 21st, 2007, 03:13 AM	#16
<div><div>Wokawidget</div><div>Thread Starter Super Moderator</div><div><div></div><div>Join Date: Nov 2001 Location: Headingly Occupation: Classified Posts: 9,633</div></div></div>	<div>Re: Simple, but functional and VERY effective graph control Thanks 😊 Well getting data from a DB and my graph control are 2 completely different things. All you need to do is use code similar to what is found here: http://www.vbforums.com/showthread.p...t=VB6+database and then add that to my code demo for the graph, and instead of adding data to the graph from a static function, you call your new function that loads data from a DB. Make sense? Woka</div> <div><div>Reply</div><div>Reply With Quote</div></div> <div>(rate this post)</div>
Aug 21st, 2007, 04:40 AM	#17
<div><div>sukhdev.v</div><div>New Member</div><div><div></div><div>Join Date: Aug 2007 Posts: 11</div></div></div>	<div>👍 Re: Simple, but functional and VERY effective graph control Thank You WokaWidget, for the help and all the info!!!</div> <div><div>Reply</div><div>Reply With Quote</div></div> <div>(rate this post)</div>
Oct 14th, 2007, 02:57 PM	#18
<div><div>navaho</div><div>New Member</div><div><div></div></div></div>	<div>Re: Simple, but functional and VERY effective graph control</div>

 Join Date: Oct 2007
Posts: 2

Hi, I'm having trouble using the graph control.
I compiled the vbGraph.vbp to an .ocx control object and added it to my project as a component. Now I get an error when I want to use the Dataset type to set up datasets. It says that user-defined type is not defined ??? What should I do differently?

-e- my bad, I was using the older vbGraph build, which didn't have datasets defined.

Last edited by navaho; Oct 14th, 2007 at 11:28 PM.

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Oct 16th, 2007, 10:39 AM

#19

Wokawidget 

Thread Starter

Super Moderator



Join Date: Nov 2001
Location: Headingly
Occupation: Classified
Posts: 9,633

Re: Simple, but functional and VERY effective graph control

What line of code is giving you the error?

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Oct 16th, 2007, 10:47 AM

#20

navaho 

New Member



Join Date: Oct 2007
Posts: 2

Re: Simple, but functional and VERY effective graph control

No errors anymore, I had the wrong vbGraph version, the one which didn't have datasets in it 😊

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Oct 16th, 2007, 10:54 AM

#21

Wokawidget 

Thread Starter

Super Moderator



Join Date: Nov 2001
Location: Headingly
Occupation: Classified
Posts: 9,633

Re: Simple, but functional and VERY effective graph control

lol 🤖 glad it's working now.

Woka

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Nov 23rd, 2007, 11:19 AM

#22

Thornsten 

New Member



Join Date: Nov 2007
Posts: 2

Re: Simple, but functional and VERY effective graph control

Hey Wokawidget, the graph works great. Is there any way to get it to show values along the axes? Or a key for what color line is what?

Thanks!

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Nov 23rd, 2007, 01:06 PM

#23

Wokawidget 

Thread Starter

Super Moderator



Join Date: Nov 2001
Location: Headingly
Occupation: Classified
Posts: 9,633

Re: Simple, but functional and VERY effective graph control

Nope, and nope. Glad you like it.
This wasn't supposed to replace the MSChart control.
It was merely to create quick little graphs like in Task Manager and the Media Player equalizer control.

Woka

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Nov 23rd, 2007, 06:10 PM

#24

Thornsten 

New Member

Join Date: Nov 2007
Posts: 2**Re: Simple, but functional and VERY effective graph control**

Haha, I didn't even know there was an MSChart control. I'm a java developer by trade but I needed a quick app that could easily make Windows API calls so I gave VB a shot. I'll look into the MSChart control, hope it's as easy to use as your graph control!

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Apr 12th, 2009, 04:52 PM

#25

sam_899

New Member

Join Date: Apr 2009
Posts: 1**Re: Simple, but functional and VERY effective graph control**

Very nice control and so easy to use.

Has anyone managed to get the graphs to show the values along the axis yet?

I've been trying all day with no luck 😞

If not, could someone lead me in the right direction please?

Thanks

Reply

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May 14th, 2009, 04:52 AM

#26

MatrixGTI

New Member

Join Date: May 2009
Posts: 4**Re: Simple, but functional and VERY effective graph control**

Very nice Work Woka ! 😊

One question... how I can save the dataset of a graph ? In a .CSV file for example ?

Thanks in advanced !

Reply

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May 14th, 2009, 07:59 AM

#27

Wokawidget

Thread Starter
Super ModeratorJoin Date: Nov 2001
Location: Headingly
Occupation: Classified
Posts: 9,633**Re: Simple, but functional and VERY effective graph control**

Thanks 🙏

There is no native way to export the data from the datasets. You would have to write code that did that for you by looping through the datasets, then looping through the points in the dataset and outputting them to a string, and then write the string to a file. the psuedo code would be:

Code:

```
For Each DataSet in DataSets
  Define String csvLine
  For Each point in dataSet.Points
    csvLine += "," + point.value
  Next
  Write csv line string to txt file
Next
```

I dont have the VB6 graph code in front of me I am afraid and it's been a good 4 years since I looked at it 😞

Woka

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(rate this post)

May 14th, 2009, 08:35 AM

#28

MatrixGTI

New Member

Join Date: May 2009
Posts: 4**Re: Simple, but functional and VERY effective graph control**

Dont worry Woka !

I suppose that the quick way is collect the data before sending them to the graph and save them to an incremental .csv file.

Something like this

Code:

```
If FlagWriteCSV = True Then
  k = CStr(kn) & Chr(9) & CStr(ActSpeed) & Chr(9) & CStr(brakeramp) & Chr(9) & CStr(SpinRamp)
  Print #1, k
```

```
kn = kn + 1
Label17.Caption = "Logging:" & " " & k
startlogging.BackColor = vbGreen
Else
stoplogging.BackColor = vbRed
End If
```

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Oct 1st, 2009, 07:07 AM

#29

Glenvn

New Member

Join Date: Oct 2009
Posts: 8**Re: Simple, but functional and VERY effective graph control**

Dear Wokawidget,

Thank you for your code! 😊 Its just what I am looking for!

I am trying to use your line graph but I am struggling...

The data source is a listbox - list2 (There are 47 numeric entries)

How do I make the graph use these entries?(without scrolling function)

I have this so far:

Code:

```
1. Private Sub SetupDatasets()
2.
3. Dim objDataset As Dataset
4. Dim list As Integer
5.
6.
7.
8. Set objDataset = Graph1.Datasets.Add
9. With objDataset
10. .Visible = False
11. .ShowPoints = True
12. .ShowLines = True
13. .ShowBars = False
14. .ShowCaps = False
15. .LineColor = RGB(0, 0, 255)
16. .PointColor = RGB(150, 150, 255)
17. End With
18.
19.
20. For i = 0 To List2.ListCount
21. list = List2.list(i)
22. Next i
23.
24. list = objDataset
```

I know this is old but it is still good code and it gets the job done! 🙌

Any help would be appreciated!

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Oct 1st, 2009, 02:15 PM

#30

si_the_geek

Super Moderator

Join Date: Jul 2002
Location: Bristol, UK
Posts: 41,279**Re: Simple, but functional and VERY effective graph control**

Welcome to VBForums 😊

Based on the example project given (but no testing), I think this is what you want:

Code:

```
For i = 0 To List2.ListCount
objDataset.Points.Add CInt(List2.list(i))
Next i
```

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Oct 2nd, 2009, 01:04 AM

#31



Glenvn 

New Member

Join Date: Oct 2009
Posts: 8**Re: Simple, but functional and VERY effective graph control**

Hi si_the_geek!!

Thanks a million!

This works for me!!Now I can tweak it some more![Reply](#)[Reply With Quote](#)[\(rate this post\)](#)


Oct 8th, 2009, 02:05 AM

#32

Wokawidget **Thread Starter**
Super ModeratorJoin Date: Nov 2001
Location: Headingly
Occupation: Classified
Posts: 9,633**Re: Simple, but functional and VERY effective graph control**

Hi,

Si, thanks for picking this up for me.

Sorry I didn't get back to you personally, but it seems Si took care of your question 

All points need to be added to the Dataset.Points class, as shown above.

The graph can handle multiple datasets, and thus plot more than one set of data onto the graph.

Cheers,

Woka

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Jun 28th, 2010, 07:51 PM

#33

FSandlewould 

New Member

Join Date: Jun 2010
Posts: 1**Re: Simple, but functional and VERY effective graph control** Originally Posted by **navaho** 

Hi, I'm having trouble using the graph control.

I compiled the vbGraph.vbp to an .ocx control object and added it to my project as a component. Now I get an error when I want to use the Dataset type to set up datasets. It says that user-defined type is not defined ??? What should I do differently?

-e- my bad, I was using the older vbGraph build, which didn't have datasets defined.

....I had the same problem except could not resolve it. I could only find 2 entries of vbGraph.zip listed here and I made sure to use the most recent. Still getting

"Can't find project or library"

and the highlighted line is Dim objDataset As Dataset

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Sep 25th, 2010, 04:11 AM

#34

cristey 

New Member

Join Date: Sep 2010
Location: Batangas, Philippines
Posts: 5**Re: Simple, but functional and VERY effective graph control**

hi! I am new in using vb and i am currently making a project in vb6. my project is suppose to function like this: from a remote sensor, temperature samples will be gathered and transfer the data into computer via SMS. In the computer the interfaced used is VB6, I have been able to save the data into the flex grid, the next thing I should do is to plot it in real time basis.

-that was a big prob, cause this is my first time in vb and i locked so much of idea about this. please help me here. thanks a lot.

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Sep 25th, 2010, 04:21 AM

#35

Wokawidget **Thread Starter**
Super ModeratorJoin Date: Nov 2001
Location: Headingly
Occupation: Classified
Posts: 9,633**Re: Simple, but functional and VERY effective graph control**

Looks at the sample code project. This has a demo of plotting real time data.

Woka

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Sep 25th, 2010, 04:30 AM

#36

cristey

New Member

Join Date: Sep 2010
Location: Batangas, Philippines
Posts: 5

Re: Simple, but functional and VERY effective graph control

Hi Woka,
Thanks, finally someone has noticed my post, if you don't mind, where can I find that sample codes? I have downloaded a sample code that you have posted entitled vbgraph, but I can't make it work. when I am trying to run the program, it always has an error : method or data member not found, then the .Redraw has been highlighted. thanks.

Tin..

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Sep 25th, 2010, 06:52 AM

#37

Wokawidget

Thread Starter

Super Moderator

Join Date: Nov 2001
Location: Headingly
Occupation: Classified
Posts: 9,633

Re: Simple, but functional and VERY effective graph control

Hi..can you post a screen shot of the error?
The sample program should work....does work.

WOkA

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Sep 25th, 2010, 07:41 AM

#38

cristey

New Member

Join Date: Sep 2010
Location: Batangas, Philippines
Posts: 5

Re: Simple, but functional and VERY effective graph control

hi,
how could I attached the file? i mean the screen shot for error msg? i am sorry i am really new here and this is my first time to join a forum, what actually am i doing is i run the program, i was thinking if it requires additional api or what? really sorry, im struggling here, thanks for your help

Additional, Hi, I want to also ask about this equation,

```
If lngIndex = 3 Then  
lngValue = 70 + (Rnd * 10) - 5  
ElseIf lngIndex = 2 Then  
lngValue = 50 + (Rnd * 50) - 25  
Else
```

I dont understand what's happening here, why should lngValue is changed. Thanks.

Last edited by cristey; Sep 25th, 2010 at 09:00 AM. **Reason:** i forgot some important points

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Sep 25th, 2010, 11:16 AM

#39

Wokawidget

Thread Starter

Super Moderator

Join Date: Nov 2001
Location: Headingly
Occupation: Classified
Posts: 9,633

Re: Simple, but functional and VERY effective graph control

That is my code to get it to produce random graph data using random numbers.
I probably made it more complex than needed.
To post a screen shot click on the Go Advanced button at the bottom of this thread while logged in.
Then you see a button to attach files.

Woka

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Sep 25th, 2010, 01:08 PM

#40

cristey

New Member

Join Date: Sep 2010
Location: Batangas, Philippines
Posts: 5

Re: Simple, but functional and VERY effective graph control

hi Woka,

i really like your program, i have download the codes again ad surprised that it worked fine. Thanks so much that would be a big help to my project. thanks a lot ad i hope that you will be able to make more interesting topics.

Thanks big time!
Tin. . . . 🌍

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