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1: ()
2: Prgm
3: DispG
4: Local cx1,cy1,cx2,cy2,cxs,cys,asp,k,o,prevpic,redraw,t,tmpzoom,slots
5: {0,0}→k
6: {0,0}→o
7: StoPic prevpic
8: (xmax-xmin)/158→cxs
9: (ymax-ymin)/76→cys
10: 158/76→asp
11: xmin→cx1
12: ymax→cy1
13: xmax→cx2
14: ymin→cy2
15:
16: misc\statline("idle")
17:
18: If not isVar(ωprgmvr\zooms) Then
19:   newMat(10,6)→ωprgmvr\zooms
20: EndIf
21: If string(ωprgmvr\zooms[10])="[[0,0,0,0,0,0]]" Then
22:   [[xmin,xmax,ymin,ymax,xscl,yscl]]→ωprgmvr\zooms[10]
23: EndIf
24:
25: misc\statline("msg:Move the box to pan/zoom...")
26: true→redraw
27: Lbl drawbox
28: If redraw Then
29:   RplcPic prevpic
30:   Line cx1,cy1,cx2,cy1
31:   Line cx2,cy1,cx2,cy2
32:   Line cx2,cy2,cx1,cy2
33:   Line cx1,cy2,cx1,cy1
34:   false→redraw
35: EndIf
36: Goto finishbx
37:
38:
39: getKey()→k[1]
40: While k[1]≠13 @[ENTER]
41:   rotate(k)→k
42:   getKey()→k[1]
43:
44:   If k[1]=337 Then @←
45:     If k[1]=k[2] Then
46:       {-5,0}→o
47:     Else
48:       {-1,0}→o
49:     EndIf
50:
51:   ElseIf k[1]-4096=337 Then @[2nd]+[←]
52:     {-20,0}→o
53:
54:   ElseIf k[1]=340 Then @→
55:     If k[1]=k[2] Then
56:       {5,0}→o
57:     Else
58:       {1,0}→o
59:     EndIf
60:
61:   ElseIf k[1]-4096=340 Then @[2nd]+[→]
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62: {20,0}→o
63:
64: ElseIf k[1]=344 Then @↓
65:   If k[1]=k[2] Then
66:     {0,-5}→o
67:   Else
68:     {0,-1}→o
69:   EndIf
70:
71: ElseIf k[1]-4096=344 Then @[2nd]+[↓]
72:   {0,-20}→o
73:
74: ElseIf k[1]=338 Then @↑
75:   If k[1]=k[2] Then
76:     {0,5}→o
77:   Else
78:     {0,1}→o
79:   EndIf
80:
81: ElseIf k[1]-4096=338 Then @[2nd]+[↑]
82:   {0,20}→o
83:
84: ElseIf k[1]=339 Then @↑←
85:   If k[1]=k[2] Then
86:     {-5,5}→o
87:   Else
88:     {-1,1}→o
89:   EndIf
90:
91: ElseIf k[1]=342 Then @↑→
92:   If k[1]=k[2] Then
93:     {5,5}→o
94:   Else
95:     {1,1}→o
96:   EndIf
97:
98: ElseIf k[1]=345 Then @↓←
99:   If k[1]=k[2] Then
100:    {-5,-5}→o
101:   Else
102:    {-1,-1}→o
103:   EndIf
104:
105: ElseIf k[1]=348 Then @↓→
106:   If k[1]=k[2] Then
107:     {5,-5}→o
108:   Else
109:     {1,-1}→o
110:   EndIf
111:
112: ElseIf k[1]=43 Then @[+]
113:   cx1-asp*cxs*5→cx1
114:   cx2+asp*cxs*5→cx2
115:   cy1+cys*5→cy1
116:   cy2-cys*5→cy2
117:   true→redraw
118:
119: ElseIf k[1]-4096=43 Then @[2nd]+[+]
120:   cx1-asp*cxs→cx1
121:   cx2+asp*cxs→cx2
122:   cy1+cys→cy1
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123:   cy2←cys→cy2
124:   true→redraw
125:
126: ElseIf k[1]=45 Then  @[-]
127:   cx1+asp*cxs*5→cx1
128:   cx2-asp*cxs*5→cx2
129:   cy1-cys*5→cy1
130:   cy2+cys*5→cy2
131:   true→redraw
132:
133: ElseIf k[1]-4096=45 Then  @[2nd]+[-]
134:   cx1+asp*cxs→cx1
135:   cx2-asp*cxs→cx2
136:   cy1-cys→cy1
137:   cy2+cys→cy2
138:   true→redraw
139:
140: ElseIf k[1]=48 Then  @0
141:   [[xmin,xmax,ymin,ymax,xscl,yscl]]→tmpzoom
142:   wprgmvrsl\zooms[10,1]→xmin
143:   wprgmvrsl\zooms[10,2]→xmax
144:   wprgmvrsl\zooms[10,3]→ymin
145:   wprgmvrsl\zooms[10,4]→ymax
146:   wprgmvrsl\zooms[10,5]→xscl
147:   wprgmvrsl\zooms[10,6]→yscl
148:   tmpzoom→wprgmvrsl\zooms[10]
149:   true→redraw
150:   Goto quit
151:
152: ElseIf k[1]=49 Then  @1
153:   xmin→cx1
154:   ymax→cy1
155:   xmax→cx2
156:   ymin→cy2
157:   true→redraw
158:
159: ElseIf k[1]=258 Then  @[STO▶]
160:   misc\statline("busy")
161:   misc\statline("msg:Loading...")
162:   ""→slots
163:   For t,1,9
164:     If string(wprgmvrsl\zooms[t])="[[0,0,0,0,0,0]]" Then
165:       slots&","&" Slot "&string(t)→slots
166:     Else
167:       slots&","&" ♦ Slot "&string(t)→slots
168:     EndIf
169:   EndFor
170:
171:   misc\flib2("menu:Save current window"&slots)
172:   misc\statline("idle")
173:   If fl[1]≠0 Then
174:     [[xmin,xmax,ymin,ymax,xscl,yscl]]→wprgmvrsl\zooms[fl[1]]
175:     misc\statline("msg:✓ Saved to slot "&string(fl[1]))
176:   EndIf
177:
178: ElseIf k[1]=4354 Then  @[RCL]
179:   misc\statline("busy")
180:   misc\statline("msg:Loading...")
181:   ""→slots
182:   For t,1,9
183:     If string(wprgmvrsl\zooms[t])="[[0,0,0,0,0,0]]" Then
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184:     slots&","&"    Slot "&string(t)→slots
185: Else
186:     slots&","&" ♦ Slot "&string(t)→slots
187: EndIf
188: EndFor
189:
190: misc\flib2("menu:Recall window"&slots)
191: misc\statline("idle")
192: If fl[1]≠0 Then
193:     If wprgmvr\zooms[fl[1],1]≥wprgmvr\zooms[fl[1],2] or wprgmvr\zooms[fl[1],
3]≥wprgmvr\zooms[fl[1],4] Then
194:         misc\statline("msg:▪ ERROR: Invalid or blank slot.")
195:     Else
196:         [[xmin,xmax,ymin,ymax,xscl,yscl]]→wprgmvr\zooms[10]
197:         wprgmvr\zooms[fl[1],1]→xmin
198:         wprgmvr\zooms[fl[1],2]→xmax
199:         wprgmvr\zooms[fl[1],3]→ymin
200:         wprgmvr\zooms[fl[1],4]→ymax
201:         wprgmvr\zooms[fl[1],5]→xscl
202:         wprgmvr\zooms[fl[1],6]→yscl
203:         true→redraw
204:         Goto quit
205:     EndIf
206: EndIf
207:
208: ElseIf k[1]=257 Then @[BKSPC]
209:     Dialog
210:     Title "Confirm"
211:     Text "Erase all zoom slots?"
212: EndDlog
213: misc\statline("idle")
214: If ok=1 Then
215:     newMat(10,6)→wprgmvr\zooms
216:     [[xmin,xmax,ymin,ymax,xscl,yscl]]→wprgmvr\zooms[10]
217:     misc\statline("msg:✓ Erased all zoom slots.")
218: EndIf
219:
220: ElseIf k[1]=264 or k[1]=263 Then @[ESC] or [CLEAR]
221:     RplcPic prevpic
222:     Goto quit
223:
224: ElseIf k[1]=277 Then @[HOME]
225:     RplcPic prevpic
226:     DispHome
227:     Goto quit
228: EndIf
229:
230: If string(o)≠"{0,0}" Then
231:     cx1+o[1]*cxs→cx1
232:     cx2+o[1]*cxs→cx2
233:     cy1+o[2]*cys→cy1
234:     cy2+o[2]*cys→cy2
235:     {0,0}→o
236:     true→redraw
237: EndIf
238:
239: Goto drawbox
240: Lbl finishbx
241: EndWhile:true→redraw
242:
243:
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244: If xmin=cx1 and ymax=cyl and xmax=cx2 and ymin=cy2 Then
245:   false→redraw
246:   RplcPic prevpic
247:   Goto quit
248: EndIf
249:
250: [[xmin,xmax,ymin,ymax,xscl,yscl]]→ωprgmvrslzooms[10]
251: cx1→xmin
252: cx2→xmax
253: cyl→ymax
254: cy2→ymin
255:
256: Lbl quit
257: DelVar fl
258: If redraw Then
259:   misc\statline("busy")
260:   ClrDraw
261:   DispG
262: Else
263:   misc\statline("clr")
264: EndIf
265: EndPrgm
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