Subject: Oject programming error in non-object program
Posted by David Klassen on Thu, 21 Jun 2012 17:28:13 GMT

This is frustrating me because my IDL skills are at the IDL 5.0 level, but since ITT won't allow me to simply move software, I have to re-buy each time I get a new machine, I have IDL 8...

The program is a massive thing and mostly works fine but every now and again (and I can't find a reason---but it seems to happen if I recompile the program) I get this error:

% Object reference expression not allowed in this context: <OBJREF
  (<ObjHeapVar16(LIST)>)>.

and I have no clue what it means. The program was written in IDL 3, and last updated under IDL 5 so there are no object oriented programming statements.

The crash happens on:
```
 for ii=0l,n_list-1 do oplot,$
  [new_vecs(list(ii),i)],[new_vecs(list(ii),j)],$
  psym=pssym,color=k_col(list(ii))
```
where:
```
II          LONG    =        0
N_LIST       LONG     =      22159
NEW_VECS (PCA2) DOUBLE    = Array[583200, 64]
LIST         LONG     = Array[22159]
I          INT     =     2
J          INT     =     1
PSSYM        INT     =      8
K_COL        INT      = Array[583200]
```

Note, that a plot has already been set up using
```
  plot,new_vecs(list,i),new_vecs(list,j),/nodata,xstyle=3,ysty le=3,$
  title=titl, subtitle=sub_title, xtitle=xt, ytitle=yt,$
  xrange=xrange,yrange=yrange,charthick=3,charsize=1.2,$
  xthick=2,ythick=2
```

Any ideas on what the clash might be?!

Thanks!