
Subject: Font differences between IDL 5.6 and IDL 6.0
Posted by [lwihanigan](#) on Fri, 27 Feb 2004 14:32:56 GMT
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There seems to be a difference in which IDL5.6 and 6.0 handles fonts. IDL6.0 does not appear to be consistent when displaying characters in size and alignment. For me, new lines do not always line up vertically. In addition, lines with only text, (i.e. no numbers), seem to appear smaller than do lines with text and numbers. Has anyone else encountered this? And if so, have you found a way to fix these problems? Or maybe know what IDL is doing differently? I've appended a small test program which illustrates my problem.

Lynn

PRO zTestFont

```
printjob=1 ; allow printing-change to 0 to skip printing
if (printjob) then begin
    quality=2
    oPrinter=OBJ_NEW('IDLgrPrinter',PRINT_QUALITY=quality,UNITS= 2)
    iRet=DIALOG_PRINTERSETUP(oPrinter)
    IF iRet THEN printjob=1 ;print job cancelled
    oPrinter->getProperty,DIMENSIONS=pageSize,RESOLUTION=resolution
endif
```

```
oPrintModel=OBJ_NEW('IDLgrModel')
dxsize=1000
dysize=1000
oWindow = OBJ_NEW('IDLgrWindow', DIMENSIONS=[dxsize,dysize], $
    RETAIN=0, RENDERER=1)
```

```
oView = OBJ_NEW('IDLgrView')
oFont = OBJARR(4)
oText = OBJARR(16)
oModel = OBJARR(16)
yPos = FLTARR(16)
str = STRARR(4)
fontstr = STRARR(4)
fontsize = INTARR(4)
```

```
xPos=-.9
newypos=.98
```

```
fontstr[0]='Courier'
fontstr[1]='Courier*bold'
```

```

fontsize[0]=8
fontsize[1]=10
fontsize[2]=12
fontsize[3]=14

for k=0,3 do begin
for j=0,1 do begin
  for i=0,3 do begin
    offset=(FLOAT(fontsize)-5)/100
    yPos[i+j]= newypos-offset
    str[0]='Test of '+fontstr[j]+' of size '+ $
      strtrim(string(fontsize[k]),1)
    str[1]='Image Type:JPEG-lines seem to not'+$
      ' line up vertically in IDL6.0'
    str[2]='0123456789 : Test - 012x345x678'
    str[3]='Lines with numbers/text seem larger'+$
      ' in font size text only'
    oFont[k]=OBJ_NEW('IDLgrFont',NAME=fontstr[j],SIZE=fontsize[k ])
    oText[i+j]=OBJ_NEW('IDLgrText',STRING=str[i], FONT=oFont[k])
    oModel[i+j]=OBJ_NEW('IDLgrModel')
    oModel[i+j]->translate,xPos,yPos[i+j],0
    oModel[i+j]->add, oText[i+j]
    oPrintModel->add,oModel[i+j]
    newypos=yPos[i+j]
  endfor
endfor
endfor

oView->add, oPrintModel
oWindow->draw, oView

if (printjob) and (iRet) then begin
  oPrinter->draw, oView
  oPrinter->newDocument
endif

OBJ_DESTROY, oText
OBJ_DESTROY, oModel
OBJ_DESTROY, oPrintModel
OBJ_DESTROY, oView

if (printjob) then begin
  OBJ_DESTROY, oPrinter
endif
END

```
