
Subject: Polyshade and PostScriptsp = fltarr(20,20,20)

Posted by [hahn](#) on Fri, 10 Dec 1993 12:54:10 GMT

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Hi,

The following program was taken from the reference manual (IDL 3.0), page 1-174, but `set_plot, 'ps'` was added - according to the manual the optional keyword parameters `xsize` and `ysize` were added.

When I omit `xsize` and `ysize` I get a memory allocation error as documented. However, with `xsize` and `ysize` I get

```
% POLYSHADE: Vertex 1: x,y out of range
```

The problem does not occur when the output device is X.
But I need PostScript output and I cannot activate X in a batch application.

The error occurs on IDL 3.1 and 3.5 on both AIX and MS Windows.

----- Cut here -----

```
set_plot, 'ps'
```

```
for x=0,19 do $  
  for y=0,19 do $  
    for z=0,19 do $  
      sp(x,y,z) = sqrt( (x-10)^2 + (y-10)^2 + (z-10)^2 )
```

```
shade_volume, sp, 8, v, p
```

```
scale3, xrange=[0,20], yrange=[0,20], zrange=[0,20]
```

```
image = polyshade ( v, p, /t3d, xsize=500, ysize=500 )
```

```
help, image
```

```
tv, image
```

```
end
```
