
Subject: Re: Getting info on the whole screen in IDL
Posted by [landsman](#) on Mon, 20 Feb 1995 02:15:00 GMT
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In article <17FEB199512365904@sorbet.gsfc.nasa.gov>, landsman@sorbet.gsfc.nasa.gov (Wayne Landsman (301)-286-3625) writes...
> The GET_SCREEN_SIZE keyword to the DEVICE command under X windows will give
> you the size of the entire screen in pixels. I think you still have to link
> to the C program to get the size in mm.
>

David Fanning of RSI pointed out that the !D.X_PX_CM and !D.Y_PX_CM system variables can be used to convert the screen size to mm. Below I give a simple program XPIXELS to return the screen size.

I note that the !D system variable contains information applicable to all graphics devices, while the total screen size is a concept that only makes sense for devices that support windows. I suppose this is why the screen size information is not in the !D system variable, but must be accessed through the DEVICE command.

--Wayne Landsman landsman@stars.gsfc.nasa.gov

```
pro xpixels,xpix,ypix,xmm,ymm
```

```
;Return the screen size in pixels (xpix,ypix) and mm (xmm,ymm)  
;Works on devices that support windows ('X','WIN','MacOS')
```

```
device,get_screen_size = scrsz  
xpix = scrsz(0) & ypix = scrsz(1)  
xmm = 10.*xpix/!D.X_PX_CM  
ymm = 10.*ypix/!D.Y_PX_CM
```

```
return  
end
```
