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Subject: Automatic interpolation / smoothing in TV??

Posted by [Jakob](#) on Thu, 15 Aug 2013 09:14:11 GMT

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Hello,

I would like to display an image with few pixels. When I use the TV command (either directly or through cgimage) I find the image is being "blurred", as if each pixel was being broken up in 8x8 cells and then values were being interpolated. For my specific purpose I want each pixel to have sharp edges.

I've searched the manuals but was not able to locate the reason for this behavior. I could plot each pixel separately using squares of appropriate size, but this seems unnecessarily clumsy?

Any hint on what I am missing would be greatly appreciated.

CJ

pro example

```
dens = [[7.0, 190.0, 391.0, 166.0, 6.0, 0.0],[0.0, 11.0, 63.0, 92.0, 9.0, 1.0],[0.0, 0.0, 2.0, 1.0, 0.0, 0.0]]
```

```
set_plot,'PS'
```

```
device, filename='example.ps', /color, /landscape
```

```
tv, dens, xsize=20000, ysize=10000
```

```
device, /close
```

```
end
```

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