Subject: Re: display question

Posted by david on Fri, 06 Mar 1998 08:00:00 GMT

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Joseph Scott Stuart (nospam@Il.mit.edu) writes:

- > I have a sensor to calibrate in which the pixels are not laid out in a
- > simple grid. I can construct an array that gives the X-Y coordinates
- > (relative to some point on the focal plane) of the centers of each
- > pixel, and I know the shape of each pixel. When taking calibration
- > data from the sensor, I'll have an array that gives the intensity that
- > each pixel is measuring. What I would like to do is make a display
- > that shows a little box for each pixel, of the right size, in the
- > right location with the measured intensity, and then be able to zoom
- > in using the mouse cursor to select a box.

>

- > I can probably get something to work by using convert coord to get the
- > device coordinates of each pixel corner, then constructing an array of
- > the appropriate number of pixels, and using tv to display. But, there
- > are over 15,000 pixels, and I fear that this will be much too slow.
- > Are there any better ways to display a bunch of little boxes each with
- > its own color at its own specified data coordinates?

I presume that many of these boxes will be the same size and shape. One of the things I've done is make my own plot symbol (using USERSYM) that is the correct shape for what I want to plot. Then I just set up a plot (with or without axes) and simply plot the pixels into the data space with the Plot command and PSYM set to 8. This saves having to go into device coordinate space.

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