Subject: 8 bit pseudo color in PV-WAVE.
Posted by ejdw on Wed, 20 Nov 1991 18:56:16 GMT
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In response to Jennifer Dungan's question:

> I read with interest a posting 2 days ago about the
> color_quan function in IDL. I tried it on a friend's
> system (a SPARC 2), and it worked well. I'm sorry I
> can't help with the VMS problem, but does anyone
> know if there is an equivalent function in PV-WAVE
> (i.e. a function that creates psuedo color tables
> for an 8 bit display based on red, green and blue
> images)?
>
> Jennifer Dungan
> NASA Ames Research Center

There is a routine in PV-WAVE to generate a psuedo true color table for 8 bit displays. The routine is called img_true8.pro. You must be running version 3.1 of PV-WAVE and have installed the optional advanced rendering library (arl). If you have installed these optional files, this is where you will find the routine:

$WAVE_DIR/demo/applications/arl/lib

The procedure takes as inputs three arrays that contain the red, green, and blue components of a 24 bit image and returns a single 8 bit image as well as the corresponding red, green, and blue colortable arrays. There is an example program that uses this routine in the following directory:

$WAVE_DIR/demo/applications/arl/examples

The example program is called, img_demo1.pro.

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