Subject: Re: Anaglyph display by IDL ?
Posted by sterner on Wed, 16 Feb 1994 17:17:15 GMT

xiaoming@fstgds08.tu-graz.ac.at (Xiaoming Xu) writes:

> is it possible display an anaglyph image pair with IDL?
> Thank you for your answer in advance!

  Try using color_quan to combine the left and right images into
  one red/green or red/blue image.

  For example, suppose your anaglyph viewer has a red filter for the
  left eye and a blue one for the right eye. Let the corresponding
  images be left and right. Then try the following:

  c = color_quan(left, left*0, right, r, g, b)
  tv, c
  tvlct, r, g, b

  This assumes that both images are scaled to the range 0 to 255.

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Subject: Re: Anaglyph display by IDL ?
Posted by jimbrakefd on Sat, 12 Mar 1994 14:30:01 GMT

I've done anaglyphs in PV~WAVE on both 24-bit and 8-bit color systems.
The 24-bit color approach is straight-forward, one image in red and the
other in green. It works best if you gamma correct or approximately
gamma correct via the lookup tables.

What was suprising is that 8-bit color is ~adequate for anaglyphs. You
have to redo the LUT for 4-bits red and 4-bits green and again it is best
to gamma correct at the same time. The secret is to histogram equalize
the original two images down to 4-bits each.

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