
Subject: Re: "4D" Plots

Posted by [Michael Galloy](#) on Wed, 07 Mar 2007 20:57:34 GMT

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IPLOT has a VERT_COLORS keyword that accepts an array of values, but SYM_INDEX only accepts a scalar. So if you're willing to display the 4th dimension as colors instead of symbol types, how about:

```
IDL> x = randomu(seed, 100)
IDL> y = randomu(seed, 100)
IDL> z = randomu(seed, 100)
IDL>
IDL> c = byte(randomu(seed, 100) * 255)
IDL>
IDL> loadct, 5
IDL> tvlct, r, g, b, /get
IDL> rgb = [[r], [g], [b]]
IDL>
IDL> iplot, x, y, z, rgb_table=rgb, vert_colors=c, linestyle=6, $
IDL> sym_index=1, sym_size=0.2
```

Mike

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