
Subject: Re: 3D volume Visualization

Posted by [David Fanning](#) on Sat, 23 Nov 2013 13:46:08 GMT

[View Forum Message](#) <> [Reply to Message](#)

Amin Farhang writes:

> I have some gas density in a room where at any point in space I know it's density (x,y,z,rho), so my input data are as like as:

>

> x1 y1 z1 rho1

> x2 y2 z2 rho2

> x3 y3 z3 rho3

> .

> .

> .

>

>

> How can I have 3D volume plot of this gas density?

> is it possible I have interactively control rotation?

> and is it possible I paint the clouds according to its density?

>

> I use IDL7

If you are going to use IDL 7, then you probably have no real choice except to use the IDLgrVolume object. Pass it to XObView to gain interactive rotational ability. To create your 3D grid, you could use Interpolate or maybe even JD Smith's Hist_ND.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
