Subject: Re: Volume Visualization (PV-Wave)
Posted by ft on Sat, 17 Jul 1993 16:45:06 GMT
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In article <227avm$ic9@news.mic.ucla.edu> marc@alisa.ucla.edu (Marc Day) writes:
> In article <226te5$84v@Tut.MsState.Edu>, cschris@sunvis2.vislab.olemiss.edu (Chris Buskirk) writes:
> |>
> |> I've seen a brochure for "PV-WAVE Advantage" that claims
> |> volume visualization capabilities. What exactly has been done
> |> since version 3.1 of PV-WAVE to enable visualization of 3-D
> |> geometries (i.e. functions of three dimensions not 2-D surfaces)?
> |> And more importantly, just how well do these new features work?
> |> What does the product still lack for your area of interest?

> I'm no PVWave salesperson, but...
>
> For irregularly gridded
> data, there are various gridding packages that move it to a regular grid,
> and they're fairly quick and accurate, provided your data fits into an
> cude overall. My problem with them so far has been in their lack of
> support for VERY irregular data, ie. I don't want it on a cube, I have
> a few hundred points spread out all over, and would otherwise need to
> interpolate onto a hugely resolved cube.

I'm no salesperson either, but my understanding is that the unbundled
package "GT-Grid" from VNI is for just this type of data. I'm not sure what
constraints it places on the irregularity of the data, but I'm told it is
much better than the "stock" 4.0.1 CL routines.

I have been thinking of adding this on, since I deal with quite a bit of
irregulary spaced 3/4D volumetric data, so does anyone have any experience
they could enlighten me with?

--
Fred True   "My name is Ozymandias, King of Kings:
AT&T Consumer Information Management Look on my works, ye Mighty,
ft@maxwell.ccs.att.com   and despair!"
ftrue@attmail.com