Subject: Volume Visualization (PV-Wave)
Posted by cschris on Fri, 16 Jul 1993 18:52:53 GMT
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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?

Being a novice, it may be possible that there are simplistic methods for visualizing 4-tuples (both evenly & non- uniformly gridded data) with our current software (PV-WAVE CL v3.1 & Point & Click v.1.61). At this point, my only option, as I see it, is to write a program which enables visualization of isosurfaces within a dataset (that scares me because I bet it's more difficult than it sounds; especially since there are products like explorer and AVS). This sounds like what the "Volume Slicer" of Advantage does. Am I right? Also, is anyone dis/satisfied with the "ray-tracing" features incorporated into Advantage? Are the previously offered math routines any faster since IMSL came onboard? Is the widget facility rotten/adequate/exceptional, and with what version was this capability introduced? What is your general perception of ~Advantage~?

-- Chris
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