Subject: Re: mesh_volume and tetra_volume
Posted by robertschaefer on Wed, 18 Aug 2004 11:41:32 GMT
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Hello,
thanks for your help so far but there are some questions ;-)
I try to understand how Interval_volume and Isosurface works.
I have Problems to calculate the volume because in my real objekts
i do not know the radius. In Your code and my testobject we use
approximately a sphere. When i use other values (for example :
INTERVAL_VOLUME, vol, 0.1, 0.6, tet_verts, tet_conn)the results
are different, thats clear. But how do i know which values are
the right for my object to calculate the right volume?
I watched at the idl-example "Interval_volume" and explored the changes
in xobjectviev when maybe the first value set 0-> i get a box. i think
thats clear, because i watch at a different range. What do you think
can i do?
The same problems occure by testing with isosurface. I don't understand
when mesh is solid and how to choose the value when there is no given
radius or not a spherical objekt.
(my examples: -ISOSURFACE,vol,1,v,c
->mesh_issolid = 1,3333
->mesh_volume(v,c)=6,6666
-ISOSURFACE,vol,2,v,c
->mesh_issolid = 0
-ISOSURFACE, vol, 1.9, v, c
->mesh_volume(v,c)=27,43
-INTERVAL_VOLUME, vol, 0.1, 0.5, tet_verts, tet_conn
->tetra_volume = 23,2374)
you described :"It depends on the range of values in the volume and
what values you want the surface to represent." i get values by verts and
conns (coordinates and conn-length). that might be enough to calculate
a volume...

There must be any way ;-) ?!?

Robert