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Subject: something strange with MESH\_VOLUME

Posted by [yingjie, Peng](#) on Wed, 02 Apr 2008 22:21:48 GMT

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Dear all,

I just want to calculate the volume of a cube with MESH\_VOLUME and start to test with the following simple code:

```
cube =[[0,0,10] ,[1,0,10] ,[1,1,10] ,[0,1,10] $  
      ,[0,0,11] ,[1,0,11] ,[1,1,11] ,[0,1,11] ]
```

```
conn=[4,0,1,2,3, $  
      4,0,1,5,4,  $  
      4,1,2,6,5,  $  
      4,2,3,7,6,  $  
      4,3,0,4,7,  $  
      4,4,5,6,7]
```

```
print,MESH_VOLUME ( cube , conn )
```

It gives me a volume: 7.66667

It's just a cube with each length of 1 and the volume should be 1.

Why is 7.66667 ~~~~>0<~~~~~

I have tried one whole night to find the problem but nothing worked.

Could somebody help me and thanks so much!

Cheers,  
yingjie

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