

---

Subject: Volume by four vectors

Posted by [Sander Roosendaal](#) on Sat, 09 Oct 2004 07:33:23 GMT

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

---

Dear readers,

I have the following question, which I have to solve in PV-Wave.

Given four 3D vectors  $a=[a_1,a_2,a_3]$   $b=[b_1,b_2,b_3]$   $c=[c_1,c_2,c_3]$  and  $d=[d_1,d_2,d_3]$ , I want to calculate the volume defined by

$i*a + j*b + k*c + l*d$  with  $i,j,k,l$  between 0 and 1.

There must be a solution somewhere, or a hint to a solution. I just couldn't find it, and I am too lazy to derive it :-)

Thank you.

--

hartelijke groeten,

Sander  
[sander@wereldraadsel.nl](mailto:sander@wereldraadsel.nl)

---