
Subject: Volume by four vectors

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

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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.

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hartelijke groeten,

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