Subject: Re: Center of mass???
Posted by davidf on Thu, 11 Nov 1999 08:00:00 GMT
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Anders Wennerberg (anders@mrc.ks.se) writes:

> Thanks for the help!

> David Fanning wrote:
>
>> Paul Hick (pphick@ucsd.edu) writes:
>>
>>> Reasoning by analogy to the 2D case, this should work, I think:
>>>
>>> xcm = Total(Total(Total(array,3),2) * Indgen(s[0])) / totalMass
>>> ycm = Total(Total(Total(array,3),1) * Indgen(s[1])) / totalMass
>>> zcm = Total(Total(Total(array,2),1) * Indgen(s[2])) / totalMass

Well, I'll say this for the simple-minded approach:
it apparently works. :-)

Cheers,

David

P.S. Let's just say I'm still scratching my head
and getting a headache sorting through JD's more
general approach to the problem. I wish I would
have paid more attention in those math classes
way back when. I was still trying to get through
the Alice in Wonderland required reading. :-(

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