Subject: Re: Center of mass???
Posted by Anders Wennerberg on Thu, 11 Nov 1999 08:00:00 GMT
View Forum Message <> Reply to Message

Thanks for the help!
Yours
Anders
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, it seems to work in the simple-minded cases I
> tried it on. :-)
>
> I'll write it up in an article if no one else has
> serious objections.
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting
> Phone: 970-221-0438 E-Mail: davidf@dfanning.com
> Coyote's Guide to IDL Programming: http://www.dfanning.com/
> Toll-Free IDL Book Orders: 1-888-461-0155

--
B _____
| Anders Wennerberg, PhD, MD The normal disclaimer... .->-.
/o_ Karolinska Hospital & Institutet Tel: +46 (0)8 51772836 `-<-'
| _)Dept of Clinicl Neuroscience Fax: +46 (0)8 339953
\o Clinical Neurophysiology E-mail: anders@mrc.ks.se Transmitted on
| SE-171 76 STOCKHOLM 100% recycled
B Sweden electrons
"Var redo" "Alltid redo"
"Be prepared" "Always prepared"