
Subject: Re: Center of mass???

Posted by [davidf](#) on Mon, 08 Nov 1999 08:00:00 GMT

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Anders Wennerberg (anders@mrc.ks.se) writes:

> I have tried to find a routine that could calculate the center of
> mass, in preliminary 2D but in near future 3D. I would be happy if
> anyone could give direction where to find that kind of routine.

Here is how you do it in 2D. I've never had to extend
this to 3D, but when you figure it out, please let us
know. I'll write up an article on it. :-)

```
s = Size(array, /Dimensions)
totalMass = Total(array)
xcm = Total(Total(array,2) * Indgen(s[0])) / totalMass
ycm = Total(Total(array,1) * Indgen(s[1])) / totalMass
```

Cheers,

David

P.S. Thanks to David Foster for the algorithm above.

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