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Subject: Re: CSMI of a region  
Posted by [David Fanning](#) on Thu, 28 Oct 2004 07:32:44 GMT  
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Pravesh writes:

- > Do we have code written in IDL for Cross sectional Moment of Inertia
- > of a given region??
- >
- > Can someone give any tips on that...

I don't know anything about this. I know how to fit an ellipse to a blob. Maybe what you are looking for are the axes of the ellipse.

[http://www.dfanning.com/ip\\_tips/fit\\_ellipse.html](http://www.dfanning.com/ip_tips/fit_ellipse.html)

Cheers,

David

--

David W. Fanning, Ph.D.  
Fanning Software Consulting, Inc.  
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
Phone: 970-221-0438, IDL Book Orders: 1-888-461-0155

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Subject: Re: CSMI of a region  
Posted by [Karsten Rodenacker](#) on Thu, 28 Oct 2004 08:00:48 GMT  
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On 27 Oct 2004 18:32:27 -0700, Pravesh <[praveshsubramanian@yahoo.com](mailto:praveshsubramanian@yahoo.com)> wrote:

- > Hello Friends:
- > Do we have code written in IDL for Cross sectional Moment of Inertia
- > of a given region??

Cross sectional moments ? Here is a short calculation of 2-d moments of order ij

```
;+
; NAME:
; i_moment
;
function i_moment,im,i,j
  dim=double(im)
  sdim=size(dim)
  x=dindgen(sdim(1))
```

```
y=dindgen(sdim(2))
return,total(dim*(x^i#y^j))
end
```

;-

Maybe that ...

> Can someone give any tips on that...

>

> thanks

> pravesh

Regards

--

Karsten Rodenacker

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GSF - Forschungszentrum    Institute of Biomathematics and Biometry

D-85758 Oberschleissheim    Postfach 11 29

Karsten.\_R\_odenacker@gsf.de | <http://ibb.gsf.de/> | DEL \_ for reply

<http://ibb.gsf.de/homepage/karsten.rodenacker/>

Tel: +49 89 31873401 | FAX: ..3369

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