Subject: Re: union or overlap of two plots
Posted by Spon on Tue, 22 Jul 2008 08:31:14 GMT
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On Jul 22, 3:00 am, kedmond <kedm...@gmail.com> wrote:
> Hello,
>   I have two plots of data on the same axes. I need to figure out
> the area of their overlap. I think defining the data as two polygons
> and using polyfillv() would help, but I'm not sure about how to do
> this. I was also considering finding all of the interceptions between
> the two plots, and using tsum() to calculate the area of each
> subsection of overlap. Anyways, if there's an easier way, I'd
> appreciate it.
>
> -kedmond

How about something like this:

plot, x, y1
oplot, x, y2

ymin = min([[y1], [y2]], dim=2)
oplot, x, ymin, thick = 2

auc = int_tabulated(x, ymin)

Regards,
Chris