Subject: Re: Compute area between curves
Posted by Craig Markwardt on Thu, 16 Oct 2008 03:42:38 GMT
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frankosuna <frankosuna@gmail.com> writes:
>
> I need to come up with some measurement to see how close the edge
> detected ring from the image and the ring from the wireframe are. They
> are ellipses and they do cross since we're trying to get them as close
> as possible.

OK, it still sounds like the "best" way to do it is take your points
and re-sample them to the same grid, so they are directly comparable.
In principle you can re-sample in X, but I think it would be better to
convert the original points to R,PHI polar coordinates and sample to a
uniform PHI grid. At that stage, you can compute
TOTAL((R_MEAS - R_WIREFRAME)^2)
which is effectively a chi-square, which then also measures goodness
of your fit. [I.e. forget about integrals.]

Craig

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