Subject: Re: Image analysis and ring identification
Posted by Jonathan Joseph on Mon, 22 Apr 2002 18:56:29 GMT
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How large are these rings that you are talking about?

I have some IDL code that will fit an ellipse to a group of points.
It requires at least 6 input points. The center is readily available.

I hesitate to just post it because it's not my own code.
I found the code on the web written in java and took the bits that
were relevant to me and converted them to IDL. It's publicly
available code - but very few comments, no warranty, etc. I
believe the original author's name is Maurizio Pilu (see
http://vision.dai.ed.ac.uk/maurizp/ElliFitDemo/ for a demo)

If it looks useful, I can post my IDL code.

-Jonathan

Rachel Pepper wrote:
>
> Sorry to be so confusing! I want the center of the circle (ie the bright ring)
> and the bright spots are messing up the centroid-based method (James is right).
>
> Rachel
>
> David Fanning wrote:
>
>> James Kuyper (kuyper@gscmail.gsfc.nasa.gov) writes:
>>
>>> Yes, but I didn't get the impression that he wants to find the bright
>>> spot. He asked how to determine the center of the circle, and complained
>>> about the fact that the bright spot would mess up the centroid-based
>>> method of calculating the center, because the bright spot was off-center.
>>
>> Isn't language odd? I thought she asked how to find the
>> center of the ring, but then realized she wasn't interested
>> in the center, but in the bright spot, which wasn't necessarily
>> in the center. I think she might be able to have her cake
>> and eat it too, depending upon the values she uses to
>> calculate the centroid. In fact, she might even learn
>> something fascinating about her rings by measuringg how
>> the centroid changes between the two different calculations.
>>
>> But, hang on a minute! We don't have to be Aristotle and
>> his friends arguing endlessly about how many teeth a
>> horse has, we can ask the source. Rachel, what in the

>> world are you asking about?
>>
>> Cheers,
>>
>> David
>> --
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