Subject: Re: ratio imaging
Posted by Craig Markwardt on Fri, 08 Mar 2002 17:26:09 GMT
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Dan Larson <drl16@cornell.edu> writes:
> I am trying to do simple ratiometric
> imaging with IDL. Of course, since
> there is some pixelation noise, the
> ratio is not very robust. I have
> experimented with a number of
> different filters (median, Gaussian
> deconvolution, smooth) to try and
> remove some of this instability.
> Is there a filtering technique which
> is minimally perturbative that will
> remove some numerical artificats
> without changing the boundaries of
> objects?

Dan, you should be filtering the two images, *before* computing the
ratio, right? I would have said that goes without saying, but now I
am saying it. [The reason of course is that the ratio does not have
a nice compact statistical distribution, so averaging is less
robust.]

Craig

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