Subject: Re: Wiener deconvolution, anyone?
Posted by badastro on Mon, 20 Dec 1999 08:00:00 GMT
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In comp.lang.idl-pvwave Richard G. French <rfrench@wellesley.edu> wrote:
> Hi, gang -
> I am looking for a 2-D deconvolution routine that
> uses a Wiener filter. The specific application is to sharpen up
> some Hubble Space Telescope images of Saturn's rings. I have a
> reasonable handle on the Point Spread Function (the response to a point
> source). I've tried using FFT's and the deconvolution theorem,
> and I've tried doing lots of filtering of the input and output, but
> it has not been very satisfactory. I've heard good things about
> Wiener deconvolution but I have not seen a reference that deals with it
> in two dimensions.

I hate to mention it here on this group, but I believe there
is an IRAF package that does this. Do you have this loaded up
at Wellesley? It might be an SDAS package, which you can get from the
Space Telescope Science Institute (www.stsci.edu).

* * * * *   The Bad Astronomer   * * * *

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