
Subject: Wiener deconvolution, anyone?

Posted by [Richard G. French](#) on Thu, 16 Dec 1999 08:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

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.

Any of you folks out there in the oil business have any suggestions? I know that is one place where this is done!

Thanks for any suggestions!

Dick French

Astronomy Dept

Wellesley College

rfrench@wellesley.edu
