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Subject: Anyone have CLEAN (astronomical "deconvolution" routine)?

Posted by [ressler](#) on Thu, 17 Sep 1998 07:00:00 GMT

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Now that I've offended everyone who knows what it is by calling it a deconvolution algorithm, does anyone have a copy of CLEAN implemented for IDL that they'd be willing to share? I didn't see anything resembling it in the GSFC astronomy library.

For those who don't know, CLEAN is an algorithm popular among astronomers for reconstructing radio wavelength images. It can be used as something of a deconvolution routine since it subtracts a point-spread-function from the peak of an image, marks the corresponding single pixel in the reconstructed image with that intensity, then fits a PSF to the new peak, etc., until a final "cleaned" image is obtained.

Any pointers would be greatly appreciated ...

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