Subject: Re: Radon forward projection problem Posted by mmiller3 on Mon, 28 Apr 2008 13:33:22 GMT

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>>>> "Wox" == Wox <nomail@hotmail.com> writes:

- > Ah, so I'm using MLEM :-). However, my initial problem
- > still stands. What should one do when FP(v) is zero in
- > some pixels, that is in formula
- > v'=v * BP(s0/FP(v))/BP(s1)

This is a common problem in numerical codes. When dividing, I usually pick a small threshold value, epsilon, and ensure that my value is greater than epsilon before dividing:

IDL> x=findgen(50)

IDL > y = x

IDL> epsilon = 10

IDL> y[where(x le epsilon)] = epsilon

IDL> plot, 1/x

% Program caused arithmetic error: Floating divide by 0

IDL> plot, 1/y

Or something along those lines.

Mike

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