Subject: Re: RADON/RIENMANN TRANSFORMATION
Posted by 555777555 on Sat, 19 Jun 2004 14:47:29 GMT
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Thanks for everyones answers ans suggestions ,i appeciate it very much
1. Assuming the data is aquired in 128*128 matrix , over 360 degrees at 1 image per angle
(for simplicity)
-> is it correct to say :
-> the sinogram will be 128 images of 128*360 matrix
- > From the discussion the Theta should be an array of 360 elements ,(one element per angle )
-> For every Theta there should be an assosiated RHO , which means it should also be an array of 360 elements.

I have tried using the above but IDL respond that the dimentions do not agree
? What is the correct way / Where am i wrong
Max

"Timm Weitkamp" <dont.try@this.address> wrote in message
news:Pine.LNX.4.44.0406161510030.30529-100000@localhost.loca ldomain...
> Today at 01:29 -0700, Peter Julyan wrote:
>
>> If your data is noisy then the 180-360 certainly isn't redundant. You
>> just need to add it to the 0-180 data (reversed as approriate) to use
>> with RADON.
>
> Oh, I'd say it's a lot easier than that. The THETA keyword to RADON allows
> you to specify the values of the angles in your sinogram, in radians. It
> works nicely if you stick to the instructions (RADON is a bit picky about
> whether parameters are given as named variables or not), and for any
> angular range, not only 0-180 degrees.
>
> Have fun
> Timm
>