
Subject: Re: RADON: user-specified angular range possible?
Posted by [R.G. Stockwell](#) on Thu, 03 Jun 2004 20:39:07 GMT
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"Timm Weitkamp" <not@this.address> wrote in message
news:Pine.LNX.4.44.0406031123030.1182-100000@localhost.local domain...

> To whoever may have used IDL's RADON function before:
>
> I am using the (forward) Radon transform to detect the orientation angle
> of features in radiographs. Since I know the approximate value of the
> angle beforehand, I need the transform only in a very limited range of
> angles. Calculating the entire range [0, pi], as RADON does by default, is
> a mere waste of time.
>
> Hence my question: Does the RADON function allow the user to specify any
> other angular range than [0, pi]? From the documentation and a futile
> attempt using the THETA keyword, I think it doesn't. But I sure would
> appreciate if someone could tell me that I'm wrong.
>
> Thanks
> Timm
>
> --
> Timm Weitkamp <<http://people.web.psi.ch/weitkamp>>
>

I haven't used the IDL radon function, but I wrote my own radon function
(a long long time ago) that could easily be modified to restrict the angles
(it is currently written to do a slope of -1 to 1).

I can send it to you if you want to take a look, it is a pretty short function.

-bob
