Subject: Re: RADON: user-specified angular range possible?
Posted by Chris[1] on Thu, 03 Jun 2004 16:02:36 GMT

"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.
>

The theta keyword should work - I used it a couple of years ago quite a lot
and don't remember any quirks. Are you setting theta to the of angles you
want to use before calling radon, and making sure that the ntheta keyword is
not set?

Chris