
Subject: Re: RADON: user-specified angular range possible?
Posted by [Timm Weitkamp](#) on Fri, 04 Jun 2004 08:41:03 GMT
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Thanks for replying, Chris and Bob.

Chris wrote:

> 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?

And actually, now it works for me too. What on earth did I do before?
Maybe this:

```
IDL> r = RADON(img, THETA = !PI * 0.01 * FINDGEN(10)
% RADON: Expression must be named variable in this context: <FLOAT
  Array[4]>.
% Execution halted at: $MAIN$
```

And when using a named variable, it actually works. Now why would you
require a named variable for an input parameter? Beats me.

I admit that careful analysis of the on-line help should have got me on
the right way. There it says, "THETA: For the forward transform, set this
keyword to a named variable containing a vector of angular (q) coordinates
to use for the transform. [...]"

Bob, I don't think I'll need to look at your code anymore. I can also
throw mine away, which I wrote yesterday (but that was basically only a
FOR loop with calls to ROT and TOTAL inside). Sorry for bothering.

Cheers,
Timm

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