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Subject: Re: generate kinematic data using IDL  
Posted by [Jeremy Bailin](#) on Thu, 20 Aug 2015 19:47:06 GMT  
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On Thursday, August 20, 2015 at 2:21:14 PM UTC-5, g.na...@gmail.com wrote:

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> Hi
>
> I'm aiming to generate sinusoidal or other periodic motion for several degrees of freedom. The
image that I have is a 2D image [256,256] and I want to add periodic motion in y direction only.
>
> Im = Array[256,256]
>
> I generated a time vector
> t = dindgen(256)
> Then plugged it into sin:
> amp =3.
> T=2.
> y = amp * sin(2*pi*t/T) ;y is an 1D array [256].
>
> for j=0L, NY-1 do begin
> Motion_Im = Im[:,j] + y
> endfor
>
> What I got out of this is the image with some white rows on the top, no motion at all. Are there
other functions or toolboxes that might be more useful? Or does anyone suggest something else?
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I don't really understand what you're trying to do -- can you explain in more detail?

-Jeremy.

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