Subject: generate kinematic data using IDL
Posted by g.nacarts on Thu, 20 Aug 2015 19:21:11 GMT
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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 aray [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?

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:
> Hi
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I don't really understand what you're trying to do -- can you explain in more detail?

-Jeremy.

Subject: Re: generate kinematic data using IDL
Posted by g.nacarts on Fri, 21 Aug 2015 08:26:37 GMT
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Trying to generate periodic motion

Subject: Re: generate kinematic data using IDL
Posted by Jeremy Bailin on Fri, 21 Aug 2015 14:23:53 GMT
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On Friday, August 21, 2015 at 3:26:41 AM UTC-5, g.na...@gmail.com wrote:
> Trying to generate periodic motion

That was not more detail. ;-)

Motion of what? With respect to what? In a dataset? Animated on the screen?

-Jeremy.
