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Subject: Re: Q: How to scroll image quickly in IDL 2.4.0?

Posted by [sterner](#) on Fri, 12 Mar 1993 18:14:05 GMT

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mayor@vaxine.larc.nasa.gov writes:

> Does anybody know how to move (slide) an image (or a portion of the image)  
> around in a window without using the TV command in IDL 2.4.0?

> We want to develop a display where new real-time image data enters on the  
> right side and old image data scrolls to the left. This can be done by  
> building a loop that shifts the whole image array, replaces the profile  
> on the right and reTVs the whole image to the window, but of course it  
> takes a lot of time. We hope there is a way to just move the data in the  
> window by a certain amount without having to shift and reTV whole image.

> Any ideas would be greatly appreciated. Thanks.

> =====  
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> Shane D. Mayor, Lidar Applications Group, NASA Langley Research Center,  
> Mail Stop 401A, Hampton, Virginia 23681-0001  
> Internet: MAYOR@VAXINE.LARC.NASA.GOV Phone: 804-864-7598 Fax: 804-864-7790  
> =====  
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There is a way. Here is an experiment.

Generate a byte image, z, that is 500 by 200.

First method:

Load the first part: tv,z(0:199,\*)

for i=200,499 do begin tv,z(i-199:i,\*) & endfor

This is the method that first comes to mind. It works, but not  
very fast.

Second method.

Load the first part: tv,z(0:199,\*)

for i=200,499 do begin device,copy=[1,0,199,200,0,0] & tv,z(i,\*),199,0  
& endfor (this is meant to be one long line).

The second method uses the copy option of the device procedure. It is  
about 7 or 8 times faster on my computer. In the new manuals (Vers 3.0)  
device,copy= is documented on page 3-6 of the IDL Reference Manual.

Ray Sterner                      sterner@tesla.jhuapl.edu  
Johns Hopkins University      North latitude 39.16 degrees.

