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Subject: Re: About warp image on ENVI's pts file  
Posted by [David Fanning](#) on Wed, 29 Oct 2008 04:03:53 GMT  
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Biny Young writes:

- > I registrated my camera image in Envi and got the pts file. But my
- > problem is when I warp the image on the pts file using my IDL
- > program ,the output image isn't the same as the one using Envi warped.
- > It's not rectified correctly. But using the same pts file in Envi to
- > warp ,the result is all right. Could anyone tell me why?

Do you have some reason why you believe ENVI is using the same code you are? The general pattern in ENVI is that when the ENVI folks find IDL code that sucks (map projections come to mind) they write their own that does a better job. It would not surprise me at all to learn their warping routines were different (and probably superior) to those found in IDL.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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Subject: Re: About warp image on ENVI's pts file  
Posted by [David Fanning](#) on Wed, 29 Oct 2008 04:07:36 GMT  
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David Fanning writes:

- > Do you have some reason why you believe ENVI is using the
- > same code you are? The general pattern in ENVI is that
- > when the ENVI folks find IDL code that sucks (map projections
- > come to mind) they write their own that does a better job.
- > It would not surprise me at all to learn their warping
- > routines were different (and probably superior) to those
- > found in IDL.

Sorry, "sucks" is the wrong word. When they find code that "doesn't do the job as well as they like" is what I meant to write. I'm still feeling the effects of my Virtual Machine episode today. :-(

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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Subject: Re: About warp image on ENVI's pts file  
Posted by [Biny Young](#) on Wed, 29 Oct 2008 08:57:42 GMT  
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> David Fanning writes:  
>> Do you have some reason why you believe ENVI is using the  
>> same code you are? The general pattern in ENVI is that  
>> when the ENVI folks find IDL code that sucks (map projections  
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>> It would not surprise me at all to learn their warping  
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> to write. I'm still feeling the effects of my Virtual  
> Machine episode today. :-(  
>  
> Cheers,  
>  
> David  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>  
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Thank you for you reply. The parameters are :

Envi:

Method : Polynomial          Degree: 5

Resampling: Nearest Neighbor

Background: 0

My program:

Method and Degree : Polynomial and 5 ( ;POLYWARP, XI, YI, XO, YO,

5, P, Q )

Resampling: Nearest Neighbor ( ;The method is 0 in POLY\_2D

function)

So ,I believe ENVI is using the same "method" as my program. I used the same image and the same method to warp ,but got the different result. Any info/advice would be so appreciated.

Greeting...

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