
Subject: Pixel Editing and Resizing

Posted by [Wasit.Weather](#) on Mon, 17 Nov 2008 02:47:02 GMT

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Hello Everyone,

I have two questions, may be very simple. Forgive me, I am not good at IDL programming.

1. How to resize pixel size. Just like with Envi--Basic Tools --Resize Data -- Change the output Pixel Size. not enlarge image. How can I do it by IDL?

2. If a pixel is cloudy, I need to search for other 4 pixels around it, and then get the mean of clear ones if there is any, then replace the all 5 pixels with the mean one.

Thanks for your help

Subject: Re: Pixel Editing and Resizing

Posted by [pgrigis](#) on Mon, 17 Nov 2008 15:59:32 GMT

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Elkunn wrote:

> Hello Everyone,
> I have two questions, may be very simple. Forgive me, I am not good at
> IDL programming.
> 1. How to resize pixel size. Just like with Envi--Basic Tools --Resize
> Data -- Change the output Pixel Size. not enlarge image. How can I do
> it by IDL?

Pixel size of what?

Paolo

>
> 2. If a pixel is cloudy, I need to search for other 4 pixels around
> it, and then get the mean of clear ones if there is any, then replace
> the all 5 pixels with the mean one.
>
>
> Thanks for your help

Subject: Re: Pixel Editing and Resizing

Posted by [Wasit.Weather](#) on Mon, 17 Nov 2008 16:31:03 GMT

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On Nov 17, 9:59 am, Paolo <pgri...@gmail.com> wrote:

> Elkunn wrote:

>> Hello Everyone,

>> I have two questions, may be very simple. Forgive me, I am not good at

>> IDL programming.

>> 1. How to resize pixel size. Just like with Envi--Basic Tools --Resize

>> Data -- Change the output Pixel Size. not enlarge image. How can I do

>> it by IDL?

>

> Pixel size of what?

>

> Paolo

>

>

>

>

>

>> 2. If a pixel is cloudy, I need to search for other 4 pixels around

>> it, and then get the mean of clear ones if there is any, then replace

>> the all 5 pixels with the mean one.

>

>> Thanks for your help- Hide quoted text -

>

> - Show quoted text -

Resize the pixel size from 1 km to 5 km.

Thanks

Subject: Re: Pixel Editing and Resizing

Posted by [pgrigis](#) on Mon, 17 Nov 2008 16:46:35 GMT

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Elkunn wrote:

>> Elkunn wrote:

>>> Hello Everyone,

>>> I have two questions, may be very simple. Forgive me, I am not good at

>>> IDL programming.

>>> 1. How to resize pixel size. Just like with Envi--Basic Tools --Resize

>>> Data -- Change the output Pixel Size. not enlarge image. How can I do

>>> it by IDL?

>>

>> Pixel size of what?

>>

>> Paolo

>>

```
>>
>>
>>
>>

>>> it, and then get the mean of clear ones if there is any, then replace
>>> the all 5 pixels with the mean one.
>>
>>> Thanks for your help- Hide quoted text -
>>
>> - Show quoted text -
>
> Resize the pixel size from 1 km to 5 km.
```

First you'll have to decide what to do with your 25 pixel values...
Average? resampling?
Check out CONGRID and REBIN.

Cheers,
Paolo

```
>
> Thanks
```

Subject: Re: Pixel Editing and Resizing
Posted by [Wasit.Weather](#) on Sat, 22 Nov 2008 16:47:38 GMT
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On Nov 17, 10:46 am, Paolo <pgri...@gmail.com> wrote:
> Elkunn wrote:
>> On Nov 17, 9:59 am, Paolo <pgri...@gmail.com> wrote:
>>> Elkunn wrote:
>>>> Hello Everyone,
>>>> I have two questions, may be very simple. Forgive me, I am not good at
>>>> IDL programming.
>>>> 1. How to resizepixelsize. Just like with Envi--Basic Tools --Resize
>>>> Data -- Change the outputPixelFormat. not enlarge image. How can I do
>>>> it by IDL?
>
>>> Pixelsize of what?
>
>>> Paolo
>

>>>> 2. If apixelis cloudy, I need to search for other 4 pixels around
>>>> it, and then get the mean of clear ones if there is any, then replace
>>>> the all 5 pixels with the mean one.
>
>>>> Thanks for your help- Hide quoted text -
>
>>> - Show quoted text -
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>> Resize thepixelsize from 1 km to 5 km.
>
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>
> Cheers,
> Paolo
>
>
>
>
>
>> Thanks- Hide quoted text -
>
> - Show quoted text -- Hide quoted text -
>
> - Show quoted text -

Thanks

First, I want to edit the pixel values, namely, replace neighbouring 5
pixels wiht with mean of them.
Then, make a resampling.

Subject: Re: Pixel Editing and Resizing
Posted by guillermo.castilla.ca on Sun, 23 Nov 2008 22:11:18 GMT
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> Thanks
> First, I want to edit the pixel values, namely, replace neighbouring 5
> pixels wiht with mean of them.
> Then, make a resampling.

Look in the ENVI help for a procedure called `resize_doit`.
You want to use it with the keyword `interp=3`. This interpolation
method (pixel aggregate) is equivalent to computing the mean of the
original pixels inside each new coarse pixel.

Cheers

