
Subject: Image proceesing in IDL
Posted by [arun](#) on Fri, 13 Jun 2008 17:28:47 GMT
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Hi,

I have a tiff image of the dimesion 3000 x 3000 which is actually a gray scale image.I want to calculate the amount of soil,water and air present in the image.I tried using histogram to apply threshold but its not working fine.Can anyone suggest me how to do it.I am an invoice so any help would be appreciated.Below is the code which i have used.

```
nPixels = n_elements(rotatelmng)

soilSubscripts = where(rotatelmng ge 24000and rotatelmng lt 30000,
nSoilPixels)

percentSoil = float(nSoilPixels) / nPixels

waterSubscripts = where(rotatelmng ge 18000 and rotatelmng lt 23000,
nWaterPixels)

percentWater = float(nWaterPixels) / nPixels

PRINT, percentSoil
PRINT, percentWater
```

With Regards
Arun

Subject: Re: Image proceesing in IDL
Posted by [Jean H.](#) on Fri, 13 Jun 2008 17:53:52 GMT
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```
> soilSubscripts = where(rotatelmng ge 24000and rotatelmng lt 30000,
> nSoilPixels)
```

add a space between 24000 and "and"

```
soilSubscripts = where(rotatelmng ge 24000 and rotatelmng lt
30000,nSoilPixels)
```

Jean

Subject: Re: Image proceesing in IDL
Posted by [Gaurav](#) on Mon, 16 Jun 2008 11:25:30 GMT
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Arun, perhaps you are stuck with cases of overlapping DN values. Are you sure you have chosen the right range of DN values? I am sure you have had your session of trial and error with that. If you had more than one band of images for the area, it might have been a tad easier.

But what has left me really curious is how you are going to classify the "air" pixels? I do not even have the foggiest idea as to what it could mean. Please clarify. Otherwise your approach seems fine.

Regards
Gaurav
