
Subject: for loop problem for beginner

Posted by [Suresh Negi](#) on Tue, 25 Oct 2016 11:38:05 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi, I have one image of size 91x76 in which there are values at some point and rest are zeros. So I want to extract only values and wana save them in column of csv format.

here b1 is the raster image to which i want to save in array a.

But not working please help...and how to save result in csv format so that I can get the values in excel column.

```
e = ENVI()
file = 'C:\Auto_Classification\Delhi\A10.tif'
raster = e.OpenRaster(file)
b1 = raster.GetData(BANDS=[0])
help,b1
a= intarr(1000)
k=0
for i=0,90,1 do for j=0,75 do begin
  if (b1(i,j) ne 0) then begin
    a(k)=b1(i,j)
    k=k+1
  endif
endfor
print,a
end
```

Subject: Re: for loop problem for beginner

Posted by [Helder Marchetto](#) on Tue, 25 Oct 2016 11:48:59 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Tuesday, October 25, 2016 at 1:38:07 PM UTC+2, Sanu wrote:

> Hi, I have one image of size 91x76 in which there are values at some point and rest are zeros. So I want to extract only values and wana save them in column of csv format.

> here b1 is the raster image to which i want to save in array a.

> But not working please help...and how to save result in csv format so that I can get the values in excel column.

```
>
> e = ENVI()
> file = 'C:\Auto_Classification\Delhi\A10.tif'
> raster = e.OpenRaster(file)
> b1 = raster.GetData(BANDS=[0])
> help,b1
> a= intarr(1000)
> k=0
> for i=0,90,1 do for j=0,75 do begin
>   if (b1(i,j) ne 0) then begin
>     a(k)=b1(i,j)
```

```
> k=k+1
> endif
> endfor
> print,a
> end
```

Hi,
have a look at the where() function. It does what you did in the loop, just much much better:
<http://www.harrisgeospatial.com/docs/WHERE.html>
You will find some examples that will get you going.

Cheers,
Helder

Subject: Re: for loop problem for beginner
Posted by [Suresh Negi](#) on Wed, 26 Oct 2016 11:19:37 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Tuesday, October 25, 2016 at 5:19:02 PM UTC+5:30, Helder wrote:
> On Tuesday, October 25, 2016 at 1:38:07 PM UTC+2, Sanu wrote:
>> Hi, I have one image of size 91x76 in which there are values at some point and rest are zeros.
So I want to extract only values and wana save them in column of csv format.
>> here b1 is the raster image to which i want to save in array a.
>> But not working please help...and how to save result in csv format so that I can get the values
in excel column.
>>
>> e = ENVI()
>> file = 'C:\Auto_Classification\Delhi\A10.tif'
>> raster = e.OpenRaster(file)
>> b1 = raster.GetData(BANDS=[0])
>> help,b1
>> a= intarr(1000)
>> k=0
>> for i=0,90,1 do for j=0,75 do begin
>> if (b1(i,j) ne 0) then begin
>> a(k)=b1(i,j)
>> k=k+1
>> endif
>> endfor
>> print,a
>> end
>
> Hi,
> have a look at the where() function. It does what you did in the loop, just much much better:
> <http://www.harrisgeospatial.com/docs/WHERE.html>
> You will find some examples that will get you going.
>

> Cheers,
> Helder

Hi but I didn't get the results. Please help me in making this program.

Subject: Re: for loop problem for beginner

Posted by [Helder Marchetto](#) on Wed, 26 Oct 2016 11:27:17 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Wednesday, October 26, 2016 at 1:19:44 PM UTC+2, Sanu wrote:

> On Tuesday, October 25, 2016 at 5:19:02 PM UTC+5:30, Helder wrote:

>> On Tuesday, October 25, 2016 at 1:38:07 PM UTC+2, Sanu wrote:

>>> Hi, I have one image of size 91x76 in which there are values at some point and rest are zeros. So I want to extract only values and want to save them in column of csv format.

>>> here b1 is the raster image to which I want to save in array a.

>>> But not working please help...and how to save result in csv format so that I can get the values in excel column.

>>>

>>> e = ENVI()

>>> file = 'C:\Auto_Classification\Delhi\A10.tif'

>>> raster = e.OpenRaster(file)

>>> b1 = raster.GetData(BANDS=[0])

>>> help,b1

>>> a = intarr(1000)

>>> k=0

>>> for i=0,90,1 do for j=0,75 do begin

>>> if (b1(i,j) ne 0) then begin

>>> a(k)=b1(i,j)

>>> k=k+1

>>> endif

>>> endfor

>>> print,a

>>> end

>>

>> Hi,

>> have a look at the where() function. It does what you did in the loop, just much much better:

>> <http://www.harrisgeospatial.com/docs/WHERE.html>

>> You will find some examples that will get you going.

>>

>> Cheers,

>> Helder

>

> Hi but I didn't get the results. Please help me in making this program.

What results did you get? What code did you try?

h
