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Subject: Re: how to resahpe image in IDL  
Posted by [ameigs](#) on Tue, 23 Feb 2010 16:43:01 GMT  
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On 23 Feb, 16:08, Nayan <mkzama...@gmail.com> wrote:  
> I have a 3 D (x\*y\*z) image matrices, Is there any command in IDL to  
> convert this to a 2D  
> matrix, of size [(x\*y),z]?

Probably, the build-in function, REFORM, will do this job for you.

```
IDL> a = indgen(5,10,20)
IDL> help, a
A          INT      = Array[5, 10, 20]
IDL> b = reform(a, 5*10,20)
IDL> help, b
B          INT      = Array[50, 20]
```

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Subject: Re: how to resahpe image in IDL  
Posted by [Maarten\[1\]](#) on Tue, 23 Feb 2010 16:45:14 GMT  
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On Feb 23, 5:08 pm, Nayan <mkzama...@gmail.com> wrote:  
> I have a 3 D (x\*y\*z) image matrices, Is there any command in IDL to  
> convert this to a 2D  
> matrix, of size [(x\*y),z]?

Yes, there is such a command.

Oh, you want me to mention the name?

reform()

You may need to use transpose once or twice to get the elements in the order you need.

Maarten

```
Example:
a = intarr(2,3)
for i = 0,1 do a[i,*] = i
b = intarr(2,3,5)
for i = 0,4 do b[:,*,i] = a
c = transpose(reform(transpose(b), 5, 2*3))
```

or

```
c = reform(b, 6, 5)
```

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