
Subject: Re: matrix division

Posted by [adam.ranson](#) on Thu, 22 May 2008 08:07:29 GMT

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Thanks for the quick response David! This is the way I'd assumed it would be done but doesn't give me the numbers back I'd expect. For example:

```
I = [[1, 2, 2],[2,1,1]]
C = [[8, 2, 8],[2,8,1]]
Z = I/C
```

```
IDL> print, z gives...
```

```
  0    1    0
  1    0    1
```

I want to divide 1 by 8, 2 by 2, 2 by 8, 2 by 2, 1 by 8 & 1 by 1.

Thanks again

Adam

On 21 May, 19:35, David Fanning <n...@dfanning.com> wrote:

> adam.ran...@bris.ac.uk writes:

>> I have a question about IDL 5.6 which I'm pretty new to... I seem to
>> remember having a similar problem in MatLab a while back too. I'm
>> trying to divide each of the elements in a 2D array by the elements in
>> 2nd 2D array of identical dimensions and put the result into 3rd
>> array. Is it possible to do this in one statement in IDL or do I have
>> to go through each item using a loop?

>

> I would try something like this:

>

> IDL> c = a / b

>

> Cheers,

>

> David

>

> --

> David Fanning, Ph.D.

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

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