
Subject: Create a matrix using repmat

Posted by [dino.nicola](#) on Wed, 22 Oct 2003 08:58:10 GMT

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

I need to translate the Matlab REPMAT command in IDL code. I mean
B=repmat(A,m,n) is used in Matlab to create a large matrix B
consisting of an m by n tiling copies of A. How can I do? Thank you in
advance, Dino.

Subject: Re: Create a matrix using repmat

Posted by [Chris Lee](#) on Fri, 24 Oct 2003 15:40:14 GMT

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

In article <688447c0.0310220058.43dcfe77@posting.google.com>, "dino
nicola" <dino.nicola@libero.it> wrote:

> I need to translate the Matlab REPMAT command in IDL code. I mean
> B=repmat(A,m,n) is used in Matlab to create a large matrix B consisting
> of an m by n tiling copies of A. How can I do? Thank you in advance,
> Dino.

It depends on which version of IDL you have, post IDL 5.6 (I think) you
can use reform and rebin to do it.

#assuming A is...

A=fltarr(x,y)

B = rebin(reform(A, [x,y,1,1]),[x,y,m,n])

;or B =rebin(reform(A, [1,1,x,y]), [m,n,x,y]) ...etc

; courtesy Fanning and Smith, code-crime fighting duo :)

pre IDL 5.6 take the square brackets away and it should still work.

Chris.

Subject: Re: Create a matrix using repmat

Posted by [David Fanning](#) on Fri, 24 Oct 2003 15:51:02 GMT

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

Christopher Lee writes:

> ; courtesy Fanning and Smith, code-crime fighting duo :)

Uh, I think that should be "Smith and Fanning". I just write down what he tells me to write down. :-)

Cheers,

David

--

David W. Fanning, Ph.D.

Fanning Software Consulting, Inc.

Phone: 970-221-0438, E-mail: david@dfanning.com

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

Toll-Free IDL Book Orders: 1-888-461-0155
