
Subject: Re: Replicate from [1, 148] to [1000, 148]
Posted by [Dick Jackson](#) on Thu, 18 Apr 2002 20:46:51 GMT
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"chi-kuei" <cw94@cornell.edu> wrote in message
news:a9nar8\$pg7\$1@news01.cit.cornell.edu...
> Hi all,
>
> I have a [1000,148] matrix. Each column is a data stream and needs to be
> subtracted by a [1,148] matrix. Since I can't find a way to do it in one
IDL
> line, i.e.,
>
> [1000,148]-[1,148]
>
> I have to do it this way:
>
> [1000,148] - replicate([1,148], 1000)
>
> However, the replicate won't do the job. Right now I am doing this by a
> loop. This really slows the procedure down. Is there any better way to do
> it?

Using your informal notation, this is a good way to do it:

[1000,148] - Rebin([1,148], 1000, 148)

This effectively copies each item across the 1000 columns, giving the shape
that you want. Replicate really won't work here.

Cheers,

--

-Dick

Dick Jackson / dick@d-jackson.com
D-Jackson Software Consulting / http://www.d-jackson.com
Calgary, Alberta, Canada / +1-403-242-7398 / Fax: 241-7392

Subject: Re: Replicate from [1, 148] to [1000, 148]
Posted by [mperrin+news](#) on Thu, 18 Apr 2002 23:17:45 GMT
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chi-kuei <cw94@cornell.edu> wrote:
> However, the replicate won't do the job. Right now I am doing this by a
> loop. This really slows the procedure down. Is there any better way to do
> it?

Yes! See the ever-so useful following site:
http://www.dfanning.com/tips/rebin_magic.html

Good luck,

- Marshall

Subject: Re: Replicate from [1, 148] to [1000, 148]
Posted by [Wang, Chi-Kuei](#) on Fri, 19 Apr 2002 01:46:56 GMT
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Thank you all.

Chi-Kuei

chi-kuei <cw94@cornell.edu> wrote in message
news:a9nar8\$pg7\$1@news01.cit.cornell.edu...

> Hi all,

>

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> subtracted by a [1,148] matrix. Since I can't find a way to do it in one

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> I have to do it this way:

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> However, the replicate won't do the job. Right now I am doing this by a
> loop. This really slows the procedure down. Is there any better way to do
> it?

>

> Thanks,

>

> Chi-Kuei

>

>