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 View Forum Message <> Reply to Message

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

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Subject: Re: Replicate from [1, 148] to [1000, 148] Posted by Wang, Chi-Kuei on Fri, 19 Apr 2002 01:46:56 GMT View Forum Message <> Reply to Message
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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...
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>
  Chi-Kuei
```