
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

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