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Subject: Re: Matrix expansion performance

Posted by [Timm Weitkamp](#) on Wed, 30 Mar 2005 08:22:46 GMT

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On 29.03.05 at 10:55 +0100, Ricardo Bugalho wrote:

- > I think I didn't make clear the ranges of m,n and p.
- > In the problem I have at hand, m is always 8, n is usually 5 (min 1, max 16)
- > and p is in the range of 10,000 to 100,000.
- > Looping over p is a BadThing(tm) due to IDL's high interpretation overhead.

The method that Chris Lee suggested does not use loops. But I think there is no need for any call to REFORM. And the dimension arguments to REBIN must be scalars in IDL 5.4. A simple

```
b = rebin(a, m, n, p, /sample)
```

should therefore work (and, hopefully, be fast enough for your purposes).

Timm

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