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Subject: Re: More fun

Posted by [Martin Schultz](#) on Mon, 20 Nov 2000 08:00:00 GMT

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"J.D. Smith" wrote:

>  
> Here's one I just came up against. Suppose you want to rebin a vector  
> to some smaller size, an integer factor smaller. E.g. 100 elements to  
> 20 elements. Now, rather than the average of those elements in each  
> interval, etc., you want merely the average of the first and last member  
> of that interval. E.g., you want:  
>  
> [(v+v)/2, (v+v)/2, (v+v)/2, ...]  
>  
> Rebin by itself can't work, I don't think.  
>  
> Takers?  
>  
> JD  
>  
> P.S. No for loops please. Bonus points if you don't build an explicit  
> index list.  
>  
> --  
> J.D. Smith | WORK: (607) 255-6263  
> Cornell Dept. of Astronomy | (607) 255-5842  
> 304 Space Sciences Bldg. | FAX: (607) 255-5875  
> Ithaca, NY 14853 |

Missing the bonus, I would suggest

```
nv=N_Elements(v)/5
```

```
res=0.5*( v[lindgen(nv)*5] + v[lindgen(nv)*5+4] )
```

But I am sure there is a way to do this with histogram ;-)

Cheers,

Martin

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[[ Dr. Martin Schultz  Max-Planck-Institut fuer Meteorologie  [[  
[[ Bundesstr. 55, 20146 Hamburg  [[  
[[ phone: +49 40 41173-308  [[  
[[ fax: +49 40 41173-298  [[  
[[ martin.schultz@dkrz.de  [[  
[[
```