Subject: Re: Avoiding loop in stats
Posted by yp on Sun, 21 Jan 2007 13:11:25 GMT

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On Jan 19, 8:26 pm, FÖLDY Lajos <f...@rmki.kfki.hu> wrote:
> Some speedup can be achieved with optimized memory access (if you have
> enough memory for two copies of data):
>
> temp=transpose(data, [2,0,1])
> for j=0l,2000l-1 do for i=0l,4000l-1 do data_st[i,j]=st_func(temp[*,i,j])
>
> regards,
> lajos- Hide quoted text -- Show quoted text -

Thanks Lajos,
It does improve the speed by >35%. Quite useful :)
btw is it necessary to copy data into temp var? I did not see any
difference when I overwrote data with transposed data.
--yas

Subject: Re: Avoiding loop in stats
Posted by Foldy Lajos on Sun, 21 Jan 2007 16:01:30 GMT

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On Sun, 21 Jan 2007, yp wrote:

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> Thanks Lajos,
> It does improve the speed by >35%. Quite useful :)
> btw is it necessary to copy data into temp var? I did not see any
> difference when I overwrote data with transposed data.
> --yas
>

I didn't want to destroy your original data structure. You can use data
instead of temp if you like (but transpose will still use extra memory).

regards,

lajos