Subject: Re: Matrix multiplication again...
Posted by on Tue, 08 May 2012 18:45:14 GMT
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Den tisdagen den 8:e maj 2012 kl. 20:08:02 UTC+2 skrev Yngvar Larsen:
> On Monday, 7 May 2012 17:40:49 UTC+2, Mats Löfdahl wrote:
>> Suppose I have an image (let's say 128x128=16384 pixels) and for each pixel there is a vector with maybe 100 (could be more) elements. I organize this as a variable x with 16384 by 100 elements.
>>
>> Suppose I also have a 100x100 matrix M (or in general not symmetric but nevermind) and I want to calculate y, which is then also a 16384 by 100 array where
>>
>> y[i,*] = M ## x[i,*]
>
> Why don't you simply use: y = M##x ?

Probably because I kept thinking of x as a 3D array, in spite of having reformed it to 2D...

> Should work fine.

Yes, I see that now. Thanks!

> "rows" and "columns" are rather confusing terms in IDL...

I know! I've opted to organize my code so I can always use the ## operator for matrix multiplication. Seems to work so far.