Subject: Re: matrix log and exp
Posted by hradilv.nospam on Wed, 17 Apr 2002 21:34:03 GMT
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On Wed, 17 Apr 2002 15:32:42 -0400, Paul Van Delst
<paul.vandelst@noaa.gov> wrote:

> G Karas wrote:
>>
>> Hi group,
>> one quickie and possibly difficult:
>>
>> IDL does not have a matrix logarithm logm and matrix
>> exponent expm function. I was thinking of calling lapack
>> routines which do it, but have no experience with lapack
>> or FORTRAN. Anyone with any tips on this one?
>
> Yes. Use ALOG() and EXP().
>
> paulv
>
> --
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I think what the original post-er is looking for is:

exp(A) = SUM{ (1/n!) * A^n } from 0 to infinity

The only (other) advice I can give is to truncate the sum at some
"reasonable" value (10?, 100?). 'couse you still have to deal with
the A^n part %^{