Subject: Re: help with idl
Posted by Brian Daniel on Thu, 07 Feb 2013 18:26:10 GMT

On Thursday, February 7, 2013 9:13:36 AM UTC-5, fd_...@mail.com wrote:
> Does anyone know how to create a Toeplitz matrix in idl??
>
>
>
> Best Wishes
>
> Mar

DIAG_MATRIX can build this easily.

N=8
OneLine = Indgen(N)+1
a = make_array(N,N)
FOR ii=-N+1, N-1 DO a += Diag_Matrix(Replicate(OneLine[ii],abs(N-abs(ii))),ii)

The abs() business was to allow for lower triangular portion to be filled. I usually use upper triangular matrices.

-B