Subject: Re: Discrete Laplacian
Posted by meron on Mon, 25 Nov 2002 06:25:09 GMT
View Forum Message <> Reply to Message

In article <3DE1C0B4.EADFBF3B@ee.uwa.edu.au>, Thomas Gutzler <tgutzler@ee.uwa.edu.au> writes:
> Hi,
>
> did somebody port the Matlab-function "DEL2()" to IDL or know where I
> can find a function that does the same ?
>
> I need this part:
> L = DEL2(U) when U is a matrix, is an discrete approximation of
> 0.25*del^2 u = (d^2u/dx^2 + d^2/dy^2)/4. The matrix L is the same
> size as U with each element equal to the difference between an
> element of U and the average of its four neighbors.
>
My LAPLACIAN function does something of the sort.

Mati Meron | "When you argue with a fool,
meron@cars.uchicago.edu | chances are he is doing just the same"