Subject: Re: Gradient of two dimensional field
Posted by Mirko Vukovic on Wed, 19 Feb 1997 08:00:00 GMT

Andy Loughe wrote:
>
> Wilpert_Martin wrote:
>>
>> Hi everybody,
>>
>> we want to determine the electrical field from a given potential,
>> i.e. we have to calculate the gradient of a two dimensional array.
>>
>> Has anybody a idl-pvwave procedure to do this task?
>>
>> Thank you in advance
>>   Martin Wilpert
>
> I would think that the shift function (used twice)
> could be used to do this.
>
> --
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> -- ---------------
> "I do not feel obliged to believe that the same God who has endowed us
> with
> sense, reason, and intellect has intended us to forego their use."
> -Galileo
or, convolve with a kernel that will give you the gradient.
(we are talking two kernels, one for each direction)
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