Subject: Re: XY position of subscripts
Posted by on Fri, 11 May 2012 17:01:36 GMT
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Den fredagen den 11:e maj 2012 kl. 18:02:40 UTC+2 skrev KH:
> On May 11, 11:36 am, Mats Löfdahl <mats.lofd...@gmail.com> wrote:
>> Den fredagen den 11:e maj 2012 kl. 17:14:27 UTC+2 skrev KH:
>>
>>> Hello,
>>> I have a quick question I was hoping to get some help with.
>>
>>> Assuming you have a 2D array and then use WHERE to find specific
>>> subscripts in the array, how can you convert those subscripts into X
>>> and Y coordinates?
>>
>>> I feel like this is something I should know how to do, but I am
>>> drawing a blank right now.
>>> Thanks,
>>> Kim
>>
>> Here's an example:
>>
>> IDL> Ni=10
>> IDL> Nj=20
>> IDL> A=bytarr(Ni,Nj)
>> IDL> A[4,7]=1
>> IDL> indx=where(A eq 1)
>> IDL> print,A[indx mod Ni, indx / Ni]
>> 1
>
> Thanks for the reply, but what I am looking for are the X and Y
> positions of where the array equals 1. So in your example, how would
> I get X=4 and Y=7 from the subscripts generated by the WHERE command?

Those are the indices I used in the last line: indx mod Ni and indx / Ni.