Subject: Re: inverse gradient
Posted by pgrigis on Tue, 02 Dec 2008 15:45:56 GMT
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erano wrote:

>> erano wrote:
>>
>>>> Oddly enough, that's the second time sparse arrays have come up in one
>>>> week!
>>
>>>> You want LINBCG, which takes as input asparsematrix created using
>>>> SPRSIN. The help pages on them are pretty decent - give them a read.
>>
>>>> -Jeremy.
>>
>>> YES, we are at the right direction.
>>> BUT my matrix iz M*N (where M=2*N). when I add zeros to make it M*M,
>>> and thrn use the SPRSIN to make it sparse, the solution from LINBCG is
>>> noot good.
>>
>> How much is M and N?
>>
>> Paolo
>>
>>
>
> For the large array: N is between 10,000 to 800,000 and M=N*2.
> (actually, N is dim_x * dim_y of an image)

My suggestion is to operate on each line of the array
separately and loop over lines and columns.

This way you only need to deal with dim_x by dim_y
arrays, a much simpler problem...

Ciao,
Paolo

>
> Thanks again
>
> Eran