Subject: Re: inverse gradient
Posted by pgrigis on Fri, 28 Nov 2008 16:31:12 GMT
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Jeremy Bailin wrote:

>>> "inverse" meaning what for a vector-field?
>>
>>> Paolo
>>
>> "inverse" is the opposite operation for gradient.
>> The inputs are 2D gradient images (dX and dY), where high values are
>> large changes in the "inverse gradient" image, and zeros are stable
>> (no changes) in the "inverse gradient".
>>
>> Eran
>
> I would never use this in production code, but here's a hack that will
> give you something to look at:
>
> scalarfield = total(dX, /cumulative, 1) + total(dY, /cumulative, 2)

From the standpoint of discrete operations, that's perfectly fine.
As an approximation for the real potential, that depends on
how the gradient was measured I gues...

Paolo

>
> The real solution is to replace those totals with actual integrals.
>
> -Jeremy.