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Subject: Re: inverse gradient

Posted by [Jeremy Bailin](#) on Thu, 27 Nov 2008 14:24:24 GMT

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On Nov 27, 3:27 am, erano <eran.o...@gmail.com> 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)
```

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

-Jeremy.

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