Subject: Re: Derivative

Posted by wxf on Tue, 01 Jul 2008 19:11:57 GMT

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On Jul 2, 3:05 am, Vince Hradil hradil hrad...@yahoo.com>

- > On Jul 1, 1:58 pm, w...@bao.ac.cn wrote:
- >
- >> I have a 2-D array (a image) A. I want to know its partial
- >> derivatives along X direction and Y direction.
- >> dA(x,y)/dx=B
- >> dA(x,y)/dy=C
- >> B and C should also be 2-D array.
- >> I want to know if IDL has some function or operator can do this job
- >> directly.
- >> If it has not those I wanted, then I must write some program according
- >> to "Spline and Lagrange".
- >> I am not a foolish boy. But I am a lazy boy.
- >> Who can tell me if IDL can do this job for me?
- >> Thanks!

>

- > have you tried deriv()? Have you tried:
- > IDL>?

yes,I have used deriv() before.But it only works for one dimension. If I use it to differentiate a 2-D image along one direction, then I must use "for i= , do beginendfor". That is too slow. Could you give me more hints?