Subject: PDE
Posted by Ali Gamal on Sat, 05 Nov 2016 09:19:54 GMT
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Hi,
How can I write this equation in idl

Subject: Re: PDE
Posted by Craig Markwardt on Sat, 05 Nov 2016 13:03:34 GMT
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On Saturday, November 5, 2016 at 5:19:57 AM UTC-4, AGW wrote:
> Hi,
> How can I write this equation in idl
>

written as,
SUM = TOTAL(V * dIdl)

Subject: Re: PDE
Posted by Ali Gamal on Sat, 05 Nov 2016 13:55:52 GMT
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On Saturday, November 5, 2016 at 11:19:57 AM UTC+2, AGW wrote:
> Hi,
> How can I write this equation in idl
>

SI FLOAT = Array[500, 1000, 20]

SV FLOAT = Array[500, 1000, 20]

Subject: Re: PDE
Posted by Ali Gamal on Sat, 05 Nov 2016 13:58:13 GMT
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On Saturday, November 5, 2016 at 11:19:57 AM UTC+2, AGW wrote:
> Hi,
> How can I write this equation in idl

>

where
vint=[4,18]

for i=0,nx-1 do begin
for j=0,ny-1 do begin

SI=stokesout[i,j,vint(0):vint(1),0]
SV=stokesout[i,j,vint(0):vint(1),3]

Subject: Re: PDE
Posted by Markus Schmassmann on Mon, 07 Nov 2016 12:29:08 GMT
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On 11/05/2016 02:58 PM, AGW wrote:
> On Saturday, November 5, 2016 at 11:19:57 AM UTC+2, AGW wrote:
>> Hi,
>> How can I write this equation in idl
>>

>
> where
> vint=[4,18]

>
> for i=0,nx-1 do begin
> for j=0,ny-1 do begin
>
> SI=stokesout[i,j,vint(0):vint(1),0]
> SV=stokesout[i,j,vint(0):vint(1),3]
IdL=(stokesout[*,*,vint[0]+1:vint(1)+1,0]-stokesout[*,*,vint [0]+1:vint(1)+1,0])/2.
out=total(sv*IdL,1)

if the wavelength positions form [3:19] are not uniform, your have to
divide out an array instead of 2.

I hope this is what you are looking for, Markus
