Subject: Re: difficulty using "linterp" command - need help making loop to exclude a value yet average others
Posted by Emily Anne Moravec on Sun, 14 Aug 2011 19:47:13 GMT
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On Aug 14, 3:49 am, Nikola <nikola.vi...@gmail.com> wrote:
> It seems like you haven't defined wgrid in the procedure
> interpolatedsixteen.pro.
>
> linterp is not a standard idl function. Why not use interpol instead
> (for the difference see the header of linterp.pro)?
>
>> Also, in each of our 8 data sets, there is an increment of wavelength
>> values where the value of the flux is 0, which will make the average
>> of all 8 messed up. Do you have any ideas how to write a loop that
>> goes through all of the wgrid values and averages the values of the
>> interpolated flux values, but skips the flux values that are 0 and
>> continues to the next? Is there a skip command? Would a where command
>> work the best?
>
> If you need to find mean of an array excluding elements equal to some
> variable x (in your case x = 0) you don't need a loop. Just do
>
> mask = array NE x
> y = TOTAL(array*mask)/TOTAL(mask)

So the mask = array NE x will exclude the x value?
What do I put in place of array? One value or all of the values 16
values I am averaging? Is NE the command for excluding something?
Thank you for you time!!!