Subject: Re: interpolating flux
Posted by abc on Wed, 23 Jan 2013 20:26:03 GMT
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On Wednesday, January 23, 2013 5:15:12 PM UTC+1, Craig Markwardt wrote:
> On Wednesday, January 23, 2013 7:06:51 AM UTC-5, idlhelp wrote:
>
>> Dear All,
>
>>
>
>> I have two black body spectra at different temperature i.e at 5000K and 5200K. Does anyone know How I can interpolate the flux of black body spectra between 5000K 5200K at a step of 50K.
>
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>
> If it's a true black body spectrum, then consider that the spectrum can be computed exactly without interpolation.
>
> http://en.wikipedia.org/wiki/Planck%27s_law
>
>
>
> If you really want to use interpolation, I would recommend computing the ALOG10(flux) of your gridded spectra, interpolating those log-values, then converting back to flux.
>
>
>
> Craig

thanks Craig, I didn't you properly, but my question is that how can I interpolate flux of two different synthetic spectra between two different temperature for e.g 1000K and 200K at a step of 50K i.e i want to create a new synthetic spectra at temperature 150K