Subject: Re: Non-monotonic Abscissa values for IDL function SPLINE_P
Posted by Xavier Ceamanos Garci on Wed, 03 Jun 2009 15:50:10 GMT
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Thank you so much Jeremy for the answer!

You are very right. I use splines to interpolate spectra. Then, the main goal is to re-sample these spectra. Each value of a spectrum corresponds to a given wavelength and in my case all points are separated by a constant wavelength distance. Hence, it is crucial to know which wavelengths corresponds to each point of the over-sampled spectra. A good re-sampling is not possible otherwise.

Then, are you telling me that the number of points of the output vector depends on the input data? That would mean that it would be different for each spectrum interpolation...

So far, I am using the "SPLINE" function which produces a monotonic output. In this case, it is easy to know the output wavelengths. It is slower though...

I was just wandering if there is any way to get the same results I get with SPLINE but using SPLINE_P...

Thanks again!

Xavi