Subject: Re: how to extend a vector from size A to size B, (A<B) without "damage" the data in A
Posted by David Fanning on Thu, 08 Mar 2012 01:48:54 GMT
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tito_trifonov@abv.bg writes:

> I have the fowling problem:
> I have a array vector A with size [970] elements lets say, and another that is 'B' with [1024] elements. now... both contain spectra and I want to do cross-correlation between the two vectors. This will be possible if A is 1024 element vector.
>
> I am new in IDL and shoot and try several thing here like:
> A = interpol(A,1024)
> and I saw also someone suggested:
> A = [A, intarr(n_elements(B)-n_elements(A))] , but doesn't give me what I want.
>
> A is synthetic spectra (mask) and I just want to increase the resolution without losing the quality of the data(the relative distances between the lines)
>
> A = interpol(A,1024), actually works, but I see very obvious differences in the 970 and the result spectra.
>
> Anybody know how to do it?

Have you tried A = Congrid(a, 1024)?

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")