Subject: Re: DIL interpolation over n dimensions
Posted by Andy Sayer on Tue, 25 Feb 2014 17:02:42 GMT
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I have used the routine ninterpolate.pro before (note this is not my upload of it, just a link to the same piece of code): https://code.google.com/p/idl-moustakas/source/browse/trunk/impro/pro/math/ninterpolate.pro?r=678

On Tuesday, February 25, 2014 11:12:11 AM UTC-5, Pascal DoctorDisco wrote:
> Le mardi 25 février 2014 17:04:49 UTC+1, Pascal DoctorDisco a écrit :
>
>> hello,
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>
>> I'm looking for an N-D interpolation (on lookup tables) in IDL,
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>
>> something like Vq = interpn(X1,X2,X3,...,V,X1q,X2q,X3q,...) from M****B
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>> Do you have any idea, maybe using some recursive call to interpolate, but I'm pretty lost using this kind of feature in IDL,
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>
>> Or did someone kept the routine from Peter Albert interpolate_n.pro
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>> The link here belong looks dead
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>> Best regards
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>> Pascal
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>
>> Peter Albert writes:
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>>> Here is my recursive treasure: interpolate_n, extending IDL's
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>
>>> INTERPOLATE routine to up to 8 dimensions. I have to admit that is has
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>
>>> been years since I wrote it and I am not completely sure any more how
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>
>>> the routine actually works, but it still seems to give the right
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>
>>> results ... :-) The recursive part is about getting the neighbouring
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>
>>> values for each dimension, I guess.
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>>>
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>>> http://wew.met.fu-berlin.de/idl/interpolate_n.pro
>
>
>
> sorry, I mean IDL interpolation over n dimensions of course
>
>
>
> thanks for your help
