
Subject: Re: interpolation of angular data (interpolation in a circle)

Posted by [Russell\[1\]](#) on Wed, 11 Apr 2012 01:41:38 GMT

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On Apr 10, 6:48 pm, Ed Hyer <ejh...@gmail.com> wrote:

> IDL geniuses,

>

> In my specific case, it is not interpolation across the international dateline, but instead interpolation across midnight, but it's the same problem. Can anyone point me to a resource on how this is done properly?

>

> Relatedly, I have found myself using a call that looks like:

> interpolated_data = INTERPOLATE(DATA,INTERPOL(OUTPUT_INDEX,
OUTPUT_LOCATION, DATA_LOCATION))

> Is it actually necessary to use both INTERPOLATE() and INTERPOL(), or am I doing this wrong?

>

> Thanks,

>

> --Edward H.

I'm still not 100% sure what you're trying to do with the interpolation across midnight issue, but if you're working with times, then why not convert everything to Julian date, do your operations, then convert back? Okay, you'll need to keep a few double precision numbers around, but that seems like a simple request.

The second answer, Yes that's how you do it.

Russell
