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Subject: Re: interpolation

Posted by [anil](#) on Thu, 08 Dec 2011 12:15:10 GMT

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On Dec 7, 10:13 pm, David Fanning <n...@dfanning.com> wrote:

> Jeremy Bailin writes:

>> Russell's code certainly works perfectly well on the data you provided.

>

> You may have to consider the unthinkable: a problem with

> your own code! ;-)

>

> Cheers,

>

> David

>

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

> Coyote's Guide to IDL Programming:<http://www.idlcoyote.com/>

> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Ok. I've found the problem. It is because of the loops etc.. i have used previously. I've fixed it and now Russell's code works fine for my case. The only problem I have now is that:

I have certain number of desired depth values which I assign as :

```
depth2=indgen(310)*5+5
```

```
temp2=interpol(t,p,depth2)
```

```
sal2=interpol(s,p,depth2)
```

```
potemp2=interpol(q,p,depth2)
```

```
den2=interpol(d,p,depth2)
```

and temp2,sal2,potemp2,den2 are the values corresponding to these depths. I should have a depth range of 5 to 1550(or 1540)m but in some data ,I only have depths up to 100m or 300 in some other. So i have done this instead:

```
step=(fix(max(p))-fix(min(p)))/5
```

```
depth2=indgen(step)*5+5
```

```
temp2=interpol(t,p,depth2)
```

```
sal2=interpol(s,p,depth2)
```

```
potemp2=interpol(q,p,depth2)
```

```
den2=interpol(d,p,depth2)
```

because of fix I lose 1 or 2 data points. But it is not so important for my case. Thank you all for helping out.

Regards,

ANIL

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