
Subject: Re: Delete bad data and interplate the new data
Posted by [JD Smith](#) on Tue, 13 Mar 2007 16:18:47 GMT
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On Mon, 12 Mar 2007 02:23:54 -0700, duxiyu@gmail.com wrote:

- > I have a data array.
- > But there is some bad data in it.
- > I want to use the interpolative data to replace these bad points.
- >
- > It is easy to make a procedure to do it, but I wonder whether there is
- > internal procedure in IDL.

Yes, INTERPOL:

```
data=[1,2,3,42,5,6,7]
badval=42
bad=where(data eq badval,nbad,COMPLEMENT=good,NCOMPLEMENT=ngood)
if nbad gt 0 && ngood gt 1 then data[bad]=interpol(data[good],good,bad)
```

If you want to do 2D or higher-dimension interpolation, you'll need a bit more magic.

JD
