
Subject: Re: A complicate problem for building a map
Posted by [Olaf Stetzer](#) on Tue, 21 Oct 2003 07:33:45 GMT
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ftls1@uaf.edu schrieb:

- > yes, I used 'where' function and intersected the two sets to find
- > temperature and wind.
- >
- > the problem is whether this retrieval method was converging? is the
- > point the nearst one with least RMS?

The where function does only logical comparisons, which means you only get a result if the data contains exactly the values you are looking for. If you are looking for nearest values you have to calcualte them on your own, something like:

```
RT_dev=abs(RT-250) ; nearest values to 250 K
RW_dev=abs(RW-50) ; nearest values to 50 m/s
RTW_dev=RT_dev*RW_dev ; or use smth. like sqrt(RT_dev^2 + RW_dev^2)
                ; depending on your needs. Then:
wind_temp_indices= where (RTW_dev eq min(RTW_dev))
```

Olaf
