
Subject: Re: Extract elements from floating-point array
Posted by [Vince Hradil](#) on Sun, 06 Apr 2008 20:17:28 GMT
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On Apr 6, 10:28 am, moxam...@gmail.com wrote:

> Dear IDL group members,
>
> I am beginner in the IDL programming and I have a lot of problems :(.
> My question now is the following:
>
> I have a floating-point array Rdata with 335412 elements. The values
> of the elements are between 5.9e+009 minimum and 3.7e+0013 maximum. I
> want to extract the elements of the array where Rdata(i) > Rdara(i-1)
> and Rdata(i) > Rdata(i+1) and put them in a new array, lets say
> Rdata_new.
>
> Can anyone help me PLEASE. I tried ptrarr and ptr_new but I could not
> get any result.
>
> In addition, I do not know why I usually have problems when I deal in
> IDL with arrays like the one I mentioned before??? as I said I am
> beginner and I do not know if IDL has problems with huge arrays like
> mines with such element values.
>
> any help will be appreciated.
>
> Mohammed Dabboor

You could try something like:

```
idx = where( Rdata gt shift(Rdata,1) and Rdata gt shift(Rdata,-1) )  
Rdata_new = Rdata[idx]
```

You'll have to figure out how to deal with the "ends", i.e. Rdata[0]
and Rdata[n_elements(Rdata)-1]
