
Subject: Re: Avoiding a for cicle
Posted by [John-David T. Smith](#) on Fri, 07 Apr 2000 07:00:00 GMT
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Ricardo Fonseca wrote:

```
>  
> Hi  
>  
> I'm looking for a more efficient way of implementing the following (i.e.  
> avoiding the for cycle) which is a routine for finding local maximuns  
>  
> ; Data is a 1D Array  
>  
> s = Size(Data)  
>  
> nx = s[1]  
>  
> max_pos = [-1]  
>  
> for i = 1, nx-1 do $  
>   if ((Data[i] gt Data[i-1]) and (Data[i] gt Data[i+1])) then $  
>     max_pos = [[max_pos],i]  
>  
> ; and then throw away the first element...
```

```
max_pos = where(data gt median(data,3))
```

JD

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```
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```
