
Subject: Re: How to Find Bimodal peak values in an array

Posted by [Gray](#) on Sun, 06 Feb 2011 14:05:33 GMT

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On Feb 6, 12:55 am, vijay <vijayans...@gmail.com> wrote:

> hi friends,

>

> i have an array/image of 512x512 and want to find maximum
> value in each row (similar to Craig B. Markwardt 'CMAPPLY' but it
> results in one dimensional array).

>

> 1) I want the maximum of each row in an array in same location as that
> of input array (other values tend to be zero).

>

> 2) Moreover, each row of my input array contains bimodal peak, i also
> want that second maximum/peak in each row and that to be resulted in
> the same output array.

>

> Thus, the final 2dimensional array should have first and second
> maximum/peak in each row and remaining tends to zero.

>

> note: i mean the second maximum is similar to bimodal pattern second
> maximum.

Well, you can try something like:

```
IDL> output_array = 0.*input_array
```

```
IDL> peak1 = max(input_array,ind,dimension=1)
```

```
IDL> output_array[ind] = peak1
```

```
IDL> tmp = input_array
```

```
IDL> tmp[ind] = 0.
```

```
IDL> peak2 = max(temporary(tmp),ind,dimension=1)
```

```
IDL> output_array[ind] = peak2
```
