
Subject: Re: How 2 extract LOCAL Max?

Posted by [Peter Clinch](#) on Fri, 04 Dec 2009 11:59:42 GMT

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Dave_Poreh wrote:

> Folks

> I have a signal with few peaks (local maximum). I need to extract the

> x and y of these Peaks programmatically. The input data is an array

> whit 2 column (x&y). What is the best way to do this?

"best" is a loaded word...

/A/ way is to move along the array comparing values to their neighbours and see if things are going up/down, but you need to be quite careful about thresholds that will constitute a real peak (i.e., there can be plenty of false peak-lets caused by noise) and account for the fact that the signal might not really start to drop for several x increments.

If you find a peak then x will be whatever the count increment is and y will be whatever the value is.

Pete.

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