
Subject: Re: Finding all max/min of a graph
Posted by [meron](#) on Mon, 11 Sep 2000 18:31:22 GMT
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In article <39bd0e6f.0@news.nwl.ac.uk>, wmc@bas.ac.uk writes:
> This may or may not be a FAQ but my rather feeble search failed to
> find it...
>
> I have a graph with about 10 (local) max/mins, I'd like to find them
> all, objectively. What do I do?
>
I've a routine named EXTREMA which'll do just this. E-mail for
details

Mati Meron | "When you argue with a fool,
meron@cars.uchicago.edu | chances are he is doing just the same"

Subject: Re: Finding all max/min of a graph
Posted by [John-David T. Smith](#) on Tue, 12 Sep 2000 00:25:49 GMT
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wmc@bas.ac.uk wrote:
>
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> find it...
>
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We had a lengthy debate concerning just this topic a few months ago. The topic
was expanded to include n point extrema, but for the simple case of a point
either less than or greater than both of it's nearest neighbors, you could try:

wh=where(d ne median(d,3))

JD

--
J.D. Smith /*\ WORK: (607) 255-6263
Cornell University Dept. of Astronomy */ (607) 255-5842
304 Space Sciences Bldg. /*\ FAX: (607) 255-5875
Ithaca, NY 14853 */

Subject: Re: Finding all max/min of a graph

Posted by [wmc](#) on Tue, 12 Sep 2000 12:21:43 GMT

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J.D. Smith <jdsmith@astro.cornell.edu> wrote:

> wmc@bas.ac.uk wrote:

>> I have a graph with about 10 (local) max/mins, I'd like to find them

>> all, objectively. What do I do?

> We had a lengthy debate concerning just this topic a few months ago. The topic

> was expanded to include n point extrema, but for the simple case of a point

> either less than or greater than both of it's nearest neighbors, you could try:

> wh=where(d ne median(d,3))

For my purposes, Mati Meron's EXTREMA function worked very nicely.

-W.

--

William M Connolley | wmc@bas.ac.uk | <http://www.nerc-bas.ac.uk/icd/wmc/>

Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself
