
Subject: Re: A better way to find a dip (local minimum with certain conditions)

Posted by [rogass](#) on Wed, 16 Dec 2009 21:39:31 GMT

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Hi David,

as i understood the following might work (untested):

```
FUNCTION finddip,array,minim,range=range
range=keyword_set(range)? 0>range<n_elements(array) : 4
  minimum = (min(array-minim,wheremin,/nan))[0] ; [0]-> to get only
the first match
if wheremin ne -1 then begin
  ar = array[-1>(wheremin-range):(wheremin+range)<(n_elements
(array)-1)]
  if max(((arr=ar[sort(ar)]-ar))) eq min(arr) then return,wheremin
endif else return,-1
end
```

Maybe it works and maybe that the principle behind gives you a hint for solving the problem

Regards

CR
