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Subject: Re: search routine

Posted by [cmancone](#) on Fri, 01 Jun 2007 13:34:47 GMT

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On Jun 1, 9:11 am, Paolo Grigis <pgri...@astro.phys.ethz.ch> wrote:

> Laurens wrote:

>> Hi folks,

>

>> From Martin Schultz (posted in 1999) I found the following array-search  
>> algorithm which seems to do a fine job.

>> Except that i'm not able to catch the first element in the array.

>

>> Example:

>

>> Array = [0,80,100,120,180,300]

>> result = search, Array, 4.53

>

>> It should return index 0, if I understand it correctly, but it returns 1

>> instead. Now I don't quite follow the logic of the function, so maybe

>> someone for which it's easy to see can help me in the right direction?

>

> You could use the built-in function value\_locate instead:

>

> result=value\_locate(array,4.53)

>

> which returns 0.

>

> Ciao,

> Paolo

Actually, that's not so good. It assumes your array is always increasing, and positive. If you used positive values, you would find that my above example would report the index AFTER where the value appears...

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