Subject: Re: search routine
Posted by Paolo Grigis on Fri, 01 Jun 2007 14:23:06 GMT
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## cmancone@ufl.edu wrote:

- > 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.

Yes, the array has to be sorted.

No, it doesn't have to be positive.

Ciao,

Paolo

If you used positive values, you would find

- > that my above example would report the index AFTER where the value
- > appears...

>