Subject: Re: nearest number
Posted by mchinand on Mon, 07 Aug 2006 15:09:14 GMT
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In article <1154956439.920334.266030@m73g2000cwd.googlegroups.com>,
Timm Weitkamp <timm.weitkamp@iss.fzk.de> wrote:
> kuyper@wizard.net wrote:
>> bressert@gmail.com wrote:
>>> I thought about the problem more and realized a simple solution:
>>>
>>> smallest = min(abs(array - floating_value))
>>> index = where((array - floating_value) eq smallest, count)
>>
>> Almost: that should be "abs(array-floating_value) eq smallest".
>>
>> I'd be inclined to pull out the common code, and write it as
>>
>> diff = abs(array-floating_value)
>> index = where(array eq min(array))
>
> Or simply,
> void = min(abs(array - floating_value), index)
>

I was going to post the same thing last night, but this optional argument to MIN will only return the index of the first element that is the minimum of the array even if there are multiple occurrences of the minimum value. Which may be alright, depending on what the original poster wants.

--Mike

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