
Subject: Re: How to test for a vector/matrix of constants?

Posted by [Paul Van Delst\[1\]](#) on Wed, 06 Dec 2006 20:54:37 GMT

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Fiç½LDY Lajos wrote:

>

> On Wed, 6 Dec 2006, Mirko wrote:

>

>> How can I quickly check if a vector/matrix is full of constants (all
>> elements equal)?

>> For example if a vector contained:

>> [2.38,2.38,2.38,...,2.38]

>> I want it flagged as a "constant" vector.

>>

>> I can think of finding differences between successive elements, and
>> check for non-zero elements.

>>

>> Any faster options?

>>

>> Thanks,

>>

>> Mirko

>>

>

> my solution would be:

>

> mini=min(array, max=maxi)

> if mini eq maxi then ...

I think Bob's solution is the safest since that is the only one that doesn't use the "EQ" operator. Insert the usual reasons here for not wanting to use "EQ" to compare floats.

cheers

paulv

p.s. Of course, one hopes the guts of ARRAY_EQUAL handles it correctly. :o)

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Paul van Delst Ride lots.

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