Subject: Re: How to test for a vector/matrix of constants? Posted by Karl Schultz on Wed, 06 Dec 2006 20:58:35 GMT

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On Wed, 06 Dec 2006 20:59:45 +0100, =?ISO-8859-2?Q?F=D6LDY_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 ... > > regards, > lajos

The ARRAY_EQUAL(a, a[0]) approach is probably the best, because it will "short-circuit" or stop checking as soon as it finds an element that does not match.

Karl