

---

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

Posted by [Paul Van Delst\[1\]](#) on Wed, 06 Dec 2006 21:26:58 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Bob Crawford wrote:

> On Dec 6, 3:54 pm, Paul van Delst <Paul.vanDe...@noaa.gov> wrote:  
>> 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.  
>  
> Paul,  
>  
> Most of the other suggestions are actually using the EQ on integers  
> (array subscript values).  
> Lots of interesting approaches.

Well, apart from yours, only one other.

From Allan:

```
if (where(vector ne vector[0]))[0] eq -1 then print,'all same'  
-> potential float comparison.
```

From Braedley

```
if n_elements(uniq(array, sort(array))) eq 1 then ;flag it  
-> No float comparison
```

From Lajos

```
mini=min(array, max=maxi)  
if mini eq maxi then ...  
-> Potential float comparison
```

Some of said constant, equal numbers could be more equal than others. :o)

cheers,

paulv

--

Paul van Delst            Ride lots.  
CIMSS @ NOAA/NCEP/EMC            Eddy Merckx  
Ph: (301)763-8000 x7748  
Fax:(301)763-8545

---