Subject: Comparing two float arrays upto 0.0001 precision
Posted by priyamalik484 on Mon, 05 Dec 2016 06:58:08 GMT
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Dear all,

I am trying to compare two very long float arrays upto precision 0.0001
without using for loop as it is taking alot time in processing. Can any one
guide me how to compare two long arrays in float????

Thanks in advance!!

Subject: Re: Comparing two float arrays upto 0.0001 precision
Posted by Markus Schmassmann on Mon, 05 Dec 2016 10:38:29 GMT
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On 12/05/2016 07:58 AM, priyamalik484@gmail.com wrote:
> I am trying to compare two very long float arrays upto precision 0.0001
> without using for loop as it is taking alot time in processing. Can any one
> guide me how to compare two long arrays in float????

A=randomu(seed,100000)
B=randomu(seed,100000)
similar=abs(A-B) le 0.0001

Similar is then a byte array that is 1 where A approx B, 0 elsewhere.
If you want instead a list of indices, where A approx B, use

w=where(abs(A-B) le 0.0001,/null)

By the way, avoid using long for anything else than long integers
(32-bit), otherwise you cause confusion.

I hope this helps, Markus