
Subject: Re: strange "eq" behaviour
Posted by [david\[4\]](#) on Mon, 15 Feb 2010 15:44:27 GMT
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Is maxx exactly 1.0000???

If you type:

maxx=1.

And then execute all "ifs" . All print "true"

If you type

maxx=1.0000000000001

help,maxx

MAXX FLOAT = 1.00000

But now all ifs are wrong except last one, because print and help don't show the real value of maxx.

Try printing with format.

So the question is, How do you get maxx?

chris wrote:

> Hi folks,

> sometimes it's hard to understand IDL interprets, e.g.:

>

> IDL> print,maxx

> 1.00000

> IDL> help,maxx

> MAXX FLOAT = 1.00000

> IDL> if maxx eq 1. then print, 'true' else print,'wrong'

> wrong

> IDL> if maxx eq 1 then print, 'true' else print,'wrong'

> wrong

> IDL> if maxx eq float(1) then print, 'true' else print,'wrong'

> wrong

> IDL> if maxx eq maxx then print, 'true' else print,'wrong'

> true

> IDL> if maxx[0] eq 1 then print, 'true' else print,'wrong'

> wrong

> IDL> if maxx[0] eq 1. then print, 'true' else print,'wrong'

> wrong

> IDL> if 5 eq 5. then print, 'true' else print,'wrong'

> true

>

>

> What's going wrong here? Has somebody an idea? Is this a bug or a

> feature ;)

> I use IDL 6.4.1 within Windows 7 x64 Pro

>

> Thanks and regards
>
> Chris
>

Subject: Re: strange "eq" behaviour
Posted by [rogass](#) on Mon, 15 Feb 2010 15:54:49 GMT
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Hi David,
maxx is the correlation coefficient of some data series. It should be exactly 1 if two data vectors are equal - but it isn't - so now I run into bigger problems with the inbuilt correlate function . Anyway, thanks for your hint.

CR
