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Subject: Re: FINITE function

Posted by [andeh](#) on Wed, 21 Jan 2015 12:20:14 GMT

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On Wednesday, 21 January 2015 12:14:55 UTC, AJAS wrote:

> On Wednesday, 21 January 2015 12:00:29 UTC, g.na...@gmail.com wrote:

>> Hi I used the FINITE() function as suggested to find out whether there are nans or infinity numbers in my array. The problem is that I cannot understand the output of that function. I set the keyword SIGN = 1 but I got -1 in the outcome.

>>

>> Below is a part of the code:

>>

>> DataArray ; contains the 3D data

>>

>> for i = 0, 199 do begin

>> for j = 0, 199 do begin

>> Barray = DataArray[\* ,i,j] - Array[i,j]

>> print, where(finite(Barray), /INFINITY, SIGN=1))

>> endfor

>> endfor

>>

>> I got the -1 value thousands of times maybe and I am not even able to figure out in which place of that array there are infinity or nans (if there are any)

>>

>> Can anyone help with this?

Ah. Just saw your previous posts.

You are looking for positive infinities?

You have not put the brackets in the correct place around your FINITE function and you could test to see if there are any valid elements using the COUNT keyword to WHERE.

How about:

```
for i = 0, 199 do begin
```

```
  for j = 0, 199 do begin
```

```
    Barray = DataArray[* ,i,j] - Array[i,j]
```

```
    w = where(finite(Barray, /INFINITY, SIGN=1), COUNT=count)
```

```
    IF count GT 0 THEN PRINT, w
```

```
  endfor
```

```
endfor
```

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