
Subject: Finding NaNs in arrays - Strange outcome
Posted by [dmfl0590](#) on Sat, 05 Dec 2015 12:02:45 GMT
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Hello

I have a 3D array A (A FLOAT = Array[480, 480, 160]). I wanted to check for NaNs so I had split one 2D array as follows:

```
A1 = total(A[0:79, 0:79,25])
A2 = total(A[80:159,80:159,25])
A3 = total(A[160:239,160:239,25])
A4 = total(A[240:319,240:319,25])
A5 = total(A[320:399,320:399,25])
A6 = total(A[400:479,400:479,25])
```

```
print, 'A1', A1
print, 'A2', A2
print, 'A3', A3
print, 'A4', A4
print, 'A5', A5
print, 'A6', A6
```

```
print, 'total',total(A[*,* ,25])
```

```
PRINT, 'sum',A1+A2+A3+A4+A5+A6
```

I got the following print results:

```
A1    682066.
A2 1.51149e+007
A3 9.41048e+006
A4 9.07705e+006
A5 1.18558e+007
A6    62705.1
total      NaN
sum 4.62031e+007
```

Why the total(A[*,* ,25]) gave me NaN? Isn't the same thing as the sum?

Can anyone help with this?
