Subject: Re: manipulating structures
Posted by Kenneth Bowman on Mon, 09 Apr 2007 15:02:36 GMT
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In article <Pine.LNX.4.64.0704082118360.6079@bifur.rmki.kfki.hu>, FOLDY Lajos <foldy@rmki.kfki.hu> wrote:

On Sun, 8 Apr 2007, Kenneth P. Bowman wrote:
The rules for IEEE arithmetic say that the result of any operation
involving a NaN is a NaN. That is not true in the case of TOTAL. If
you sum an array that is all NaNs, the result is zero.
You are summing an empty array, if the /NaN keyword (= discard NaNs) was
set. So, what is the sum of an empty array: 0 or Nan? :-)
regards,

How can the sum of no numbers be a number?

I know we went through this same philosophical argument before, but in the end the /NAN keyword is there as a programming convenience. Zero is a valid answer when there are good data in the array. It should not be a valid answer when there are no good data in the array.

As I said, it renders the /NAN keyword useless to me. I don't want to get a valid number back when there are no valid input data.

Instead of

> lajos

```
tot = TOTAL(x, /NAN)
```

I must do

Ken