Subject: Re: n_elements and NaN
Posted by Jeremy Bailin on Thu, 27 Jan 2011 15:24:29 GMT
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On Jan 26, 12:20 pm, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:
> Am 26.01.2011 09:15, schrieb alx:
>
>> On 25 jan, 21:26, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:
>>> Just recognized some fun with NaN or more arguments against NaN.
>
>>> n_elements haven't a NaN keyword
>
>>> Reimar
>
>> Why should it do ?
>> "N_elements(x)" is the old way for "(Size(x))[-1]" or "Size(x,/
>> N_ELEMENTS)".
>> What you want is "where(finite(x), COUNT=number_of_finite_elements,
>> NCOMP=number_of_nan)".
>> The two statements adress two different things: the x size and x
>> content.
>> alx.
>
> This is only a workaround. Until NaN is not completly supported we will
> always have risks to use it. Or having more complicated code as usually
> needed. If you for example expect only to have Long values you would
> never expect NaN numbers there and the data of type float.
>
> Reimar

I'm with alx on this - I would be very annoyed if n_elements looked at
the contents of what it's given rather than just the syntactic
structure (it would be *much* slower, for one thing!).

-Jeremy.