
Subject: Re: VALUE_LOCATE and NaNs

Posted by [lecacheux.alain](#) on Thu, 25 Oct 2012 09:34:04 GMT

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Le jeudi 25 octobre 2012 11:14:47 UTC+2, Fab a écrit :

> Dear IDLers,

>

>

>

> I am quite an adept of using NaNs as missing values for my data, because

>

> many IDL routines go along with them. However, some of the routines are

>

> not really documented about how they handle NaNs.

>

> See the following example:

>

>

>

> IDL> data = FINDGEN(10) & data[0] = !VALUES.F_NAN

>

> IDL> p = VALUE_LOCATE(FINDGEN(10), data) & print, p[0]

>

> -1

>

> IDL> p = VALUE_LOCATE(INDGEN(10), data) & print, p[0]

>

> 0

>

> % Program caused arithmetic error: Floating illegal operand

>

>

>

> Which is quite dangerous! If I didn't debug my code to find the origin

>

> of the Floating illegal operand warning, value_locate's output would be

>

> wrong.

>

>

>

> Someone else than me thinking of this as a bug?

>

>

>

> Thanks,

>

>

>
> Fab

Please note that:

IDL> p = VALUE_LOCATE(LINDGEN(10), data) & print, p[0]

-1

gives the correct result.

alx.
