
Subject: Re: VALUE_LOCATE and NaNs
Posted by [Fabzi](#) on Thu, 25 Oct 2012 13:48:04 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 10/25/2012 03:41 PM, Kai Muehlbauer wrote:

```
>  
> I can confirm:  
>  
> IDL> print, !VERSION  
> { x86_64 linux unix linux 7.1.1 Aug 21 2009    64    64}  
>  
> IDL> data = FINDGEN(10) & data[0] = !VALUES.F_NAN  
> IDL> p = VALUE_LOCATE(LINDGEN(10), data) & print, p[0]  
>      -1  
> % Program caused arithmetic error: Floating illegal operand  
> IDL>  
>  
> Cheers,  
> Kai  
>
```

At least the answer is right, but the warning is there ;-)
So three different behaviours of value locate with three input types:

```
IDL> data = FINDGEN(10) & data[0] = !VALUES.F_NAN  
IDL> p = VALUE_LOCATE(INDGEN(10), data) & print, p[0]  
      0  
% Program caused arithmetic error: Floating illegal operand  
IDL> p = VALUE_LOCATE(LINDGEN(10), data) & print, p[0]  
     -1  
% Program caused arithmetic error: Floating illegal operand  
IDL> p = VALUE_LOCATE(FINDGEN(10), data) & print, p[0]  
     -1
```
