Subject: Re: transforming an array where some values can't
Posted by S Penzes on Thu, 05 Feb 1998 08:00:00 GMT

How about

```
function xform, input
temp = alog(input)
temp(where(finite(temp) EQ 0))=1e-7
return, temp
end
```

Works for me.

bowler@eisner.decus.org wrote:

> I'm trying to write a function that will transform an arbitrary array by taking
> hte natural log of every element in the array.
>
> What I have is
>
>   function xform, input
>   temp = alog(input) ; I realize I could combine these 2 statements
>   return, temp   ; but it makes debugging easier
>   end
>
> Unfortunately, I can't guarentee that there won't be some elements that are
> zero and thus invalid arguments to alog. what's the "most efficient" way to
> take the alog of any element that's greater than 0 and set the value of ony
> that are less than or equal to 0 to some small value (1e-7 for example)?
>
> TIA,
> Bruce

--
Steven Penzes (Steven.nospamPenzes@dres.dnd.ca)
Note: remove "nospam" from Reply-To and .signature