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Subject: Re: Floating underflow in a plot

Posted by [Craig Markwardt](#) on Tue, 14 Apr 2015 11:32:06 GMT

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On Tuesday, April 14, 2015 at 3:50:06 AM UTC-4, Miguel wrote:

> I'm trying to plot an implicit function  $f(x,y)=a$  by computing the function for many values of  $x$  and  $y$  and plotting the result.

> But when the number of point  $(x,y)$  become too large, there is a problem of floating underflow.

...

>

> Th bla.cat file contains all the points and when I plot them, it seems fine (except for the last value of  $l$ )

>

> What is the problem here =

Put aside the floating point underflow message, is there an actual problem with your result? This error indicates a numerical loss of precision but it doesn't always indicate a problem. It's like a butcher who tells you he needs to trim a little more fat than usual.

Craig

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