
Subject: Divide By Zero error

Posted by [Logan Lindquist](#) on Tue, 06 Nov 2001 18:10:47 GMT

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<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML><HEAD>
<META http-equiv=Content-Type content="text/html; charset=iso-8859-1">
<META content="MSHTML 6.00.2600.0" name=GENERATOR>
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</HEAD>
<BODY bgColor=#ffffff>
<DIV><FONT face=Arial size=2>I got another one for all you math
whiz's!</FONT></DIV>
<DIV><FONT face=Arial size=2></FONT>&ampnbsp</DIV>
<DIV><FONT face=Arial size=2>Here is the error</FONT></DIV>
<DIV><FONT face=Arial size=2>*****</FONT></DIV><FONT size=1>
<DIV>IDL&gt; .STEP</DIV>
<DIV>% Program caused arithmetic error: Floating divide by 0</DIV>
<DIV>% Program caused arithmetic error: Floating illegal operand</DIV>
<DIV>&ampnbsp</DIV>
<DIV><FONT face=Arial size=2>&ampnbspCaused by second statement [log]</FONT></DIV>
<DIV><FONT face=Arial size=2>*****</FONT></DIV>
<DIV><FONT face=Arial size=2>f = fft(tempfft, -1)</FONT></DIV>
<DIV><FONT face=Arial size=2>power = -alog10(double(f))</FONT></DIV>
<DIV><FONT face=Arial size=2></FONT>&ampnbsp</DIV>
<DIV><FONT face=Arial size=2></FONT>&ampnbsp</DIV>
<DIV><FONT face=Arial size=2>I tried a bunch of different things trying to
isolate the error and get it to stop. That is why the code looks that way and
not all nice and compact.&ampnbspI don't understand exactly why it's givng me
invalid numbers and so this is why I shall include the output data:</FONT></DIV>
<DIV><FONT face=Arial size=2></FONT>&ampnbsp</DIV>
<DIV><FONT face=Arial size=2>print, f</FONT></DIV>
<DIV><FONT face=Arial size=2>*****</FONT></DIV><FONT size=1>
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<DIV>( -0.234375, 0.265625)( 0.0312500, -0.0845971)( -0.0156250, -0.0156250)(
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<DIV><FONT face=Arial size=2>print, power</FONT></DIV>  
<DIV><FONT face=Arial size=2>*****</FONT></DIV><FONT size=1>  
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<DIV>&nbsp;</DIV>  
<DIV><FONT face=Arial size=2></FONT>&nbsp;</DIV>  
<DIV><FONT face=Arial size=2>What is this NaN business and why am I getting  
Infinity? Arg :)</FONT></DIV>  
<DIV><FONT face=Arial size=2></FONT>&nbsp;</DIV>  
<DIV><FONT face=Arial size=2>Thanks to the math geeks,</FONT></DIV>  
<DIV><FONT face=Arial  
size=2>Logan</FONT></DIV></FONT></FONT></BODY> </HTML>
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