

## Re: Maple Vs Mathematica debugging

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*Source:* <http://sci.tech-archive.net/Archive/sci.math.symbolic/2005-12/msg00073.html>

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- *From:* [carlos@xxxxxxxxxxxxx](mailto:carlos@xxxxxxxxxxxxx)
  - *Date:* 5 Dec 2005 15:27:48 -0800
- 

24. Richard J. Fateman Dec 5, 3:18 pm show options

Newsgroups: sci.math.symbolic

From: "Richard J. Fateman" <fate...@xxxxxxxxxxxxxxxxxxxx> - Find messages  
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Date: Mon, 05 Dec 2005 14:18:11 -0800

Local: Mon, Dec 5 2005 3:18 pm

Subject: Re: Maple Vs Mathematica debugging

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car...@xxxxxxxxxxxxx wrote: >>The reviewer prefers the Maple GUI and  
front end, and found >>the lack of a Mathematica debugger annoying.

> Lack of a debugger is most annoying to beginner users, but > there are in fact 3 major builtin pieces missing  
in the kernel:

- > 1) incremental debugger (or even a plain debugger)
  - > 2) error tracer
  - > 3) real-time breakpointer and "cook-timer"
- > Why might this be troublesome in Mathematica?

Since Mathematica is not written in Lisp the facilities I mentioned  
(backtrace, break, step debugger, etc) are not part of the language,  
and will have to be implemented separately.

Ideally they should had been part of the kernel from the start, and  
engines threaded around them. That is the way fault-tolerant  
systems are designed. Of course, kernels can be rewritten from  
scratch as Linux has proven, if enough resources are provided.

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Re: Maple Vs Mathematica debugging

- **Follow-Ups:**
  - ◆ **Re: Maple Vs Mathematica debugging**
    - ◇ From: Jaap Spies
  
- **References:**
  - ◆ **Maple Vs Mathematica**
    - ◇ From: kush99
  - ◆ **Re: Maple Vs Mathematica**
    - ◇ From: Nasser Abbasi
  - ◆ **Re: Maple Vs Mathematica**
    - ◇ From: John Francis
  - ◆ **Re: Maple Vs Mathematica**
    - ◇ From: Nasser Abbasi
  - ◆ **Re: Maple Vs Mathematica**
    - ◇ From: Albert Reiner
  - ◆ **Re: Maple Vs Mathematica : How much of the source code?**
    - ◇ From: Richard Fateman
  - ◆ **Re: Maple Vs Mathematica : How much of the source code?**
    - ◇ From: carlos
  - ◆ **Re: Maple Vs Mathematica debugging**
    - ◇ From: Richard J. Fateman
  
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