

Why I am unwilling to use Mathematica if I can help it

Source: <http://sci.tech-archive.net/Archive/sci.math.num-analysis/2005-07/msg00095.html>

- *From:* hrrubin@xxxxxxxxxxxxxxxxxxxxxx (Herman Rubin)
 - *Date:* 11 Jul 2005 10:56:14 -0500
-

In article <eKgAe.98\$Rv7.58@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>, symbio <symbio@xxxxxxx> wrote:

>Evaluating (using //N) two exact same expressions, gives wrong answer unless
>fullsimplify is used first, I spent 2 days on a problem thinking my answer
>was wrong, but turned out Mathematica 5 was giving me buggy answers, I
>debugged it to this point, but WHY in the world is this happening? Please
>help!!!

>cut and paste below to see the test case:

```
>In[243]:=
>|!(Cosh[(43 \[Pi])\^@2] + ((1 - Cosh[43 \[Pi])\^@2])\ Csch[
> 43 \[Pi]\ Sinh[(43 \[Pi])\^@2] // FullSimplify) //
> N[IndentingNewLine]
> Cosh[(43 \[Pi])\^@2] + ((1 - Cosh[43 \[Pi])\^@2])\ Csch[
> 43 \[Pi]\ Sinh[(43 \[Pi])\^@2] // N)
>Out[243]=
>|!(6.551787517854307^-42)
>Out[244]=
>|!((-1.9342813113834067^-25))
```

This weird collection of uses of \ and [], and other such uses of unnatural mathematical notation, are what I have against Mathematica.

—
This address is for information only. I do not claim that these views are those of the Statistics Department or of Purdue University.
Herman Rubin, Department of Statistics, Purdue University
hrrubin@xxxxxxxxxxxxxxxxxxxxxx Phone: (765)494-6054 FAX: (765)494-0558

- **Follow-Ups:**
 - ◆ **Re: Why I am unwilling to use Mathematica if I can help it**
◇ From: Han de Bruijn
 - ◆ **Re: Why I am unwilling to use Mathematica if I can help it**
◇ From: Ronald Bruck
- **References:**
 - ◆ **terrible mathematica bug (//N) but WHY??**
◇ From: symbio
- Prev by Date: **Re: terrible mathematica bug (//N) but WHY??**
- Next by Date: **Re: QR decomposition using Householder**
- Previous by thread: **Re: terrible mathematica bug (//N) but WHY??**
- Next by thread: **Re: Why I am unwilling to use Mathematica if I can help it**
- Index(es):
 - ◆ **Date**
 - ◆ **Thread**