

CoCoALib - Bug #577

Hilbert crashes with > 100 indeterminates

01 Jul 2014 12:42 - Anna Maria Bigatti

Status:	Closed	Start date:	01 Jul 2014
Priority:	High	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	Maths Bugs	Estimated time:	1.50 hour
Target version:	CoCoALib-0.99534 Seoul14	Spent time:	1.20 hour
Description			
<pre>Use P ::= QQ[x[1..100]]; HilbertSeries(P/ideal(indets(P)));</pre>			
is ok, but			
<pre>Use P ::= QQ[x[1..101]]; HilbertSeries(P/ideal(indets(P)));</pre>			
crashes			

History

#1 - 01 Jul 2014 13:34 - John Abbott

- % Done changed from 0 to 10

I've just tried with my own "local" copy of C5; seems to work fine (even trying several times). Platform is MacOSX 10.5.

#2 - 01 Jul 2014 14:04 - Anna Maria Bigatti

(sorry, I meant "101")
I found where the problem is (a hard limit = 100 in GlobalManager) and I am fixing it.

#3 - 01 Jul 2014 14:34 - Anna Maria Bigatti

- Status changed from In Progress to Feedback
- % Done changed from 10 to 90
- Estimated time set to 1.50 h

fixed. Now using CopyHPPower (copies the precomputed value or computes the correct one) instead of HPPowerList (with now a check for the limit to HPPowerListMaxDeg())

cvs-ed

#4 - 31 Jul 2014 16:57 - John Abbott

- Status changed from Feedback to Closed
- % Done changed from 90 to 100