

CoCoA-5 - Bug #418

What does interreduce do?

11 Dec 2013 14:32 - John Abbott

Status:	Closed	Start date:	11 Dec 2013
Priority:	Urgent	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	Incomplete function	Estimated time:	2.00 hours
Target version:	CoCoA-5.0.9	Spent time:	2.25 hours
Description			
Reading Emanuela Napoli's master's thesis I came across the following example:			
<pre>>>> j := [z^2, y^2*z + y*z, x*z + y*z, y^4 + 2*y^3, x*y^2 + y^3 + x*y + y^2, x^2 + 2*x*y + y^2, x^2 - 2*x, y^2 + 2*y, z];</pre>			
<pre>>>> interreduced(j);</pre> <pre>[z, y^2 + 2*y, x^2 + 2*x*y - 2*y, -2*x*y - 2*x + 2*y, x + y]</pre>			
<pre>>>> interreduced(It);</pre> <pre>[z, x + y, y^2 + 2*y]</pre>			
I did not expect that applying interreduce twice would give a different answer.			
Is this correct? If so, we should point it out in the manual.			

History

#1 - 18 Dec 2013 12:33 - Anna Maria Bigatti

fixed. will cvs as soon as I can....

#2 - 24 Jan 2014 20:30 - John Abbott

- Status changed from New to Resolved
- Assignee set to Anna Maria Bigatti
- Priority changed from Normal to Urgent
- % Done changed from 0 to 50

It would be good to get this issue closed ASAP; it is not especially urgent, but I'd like it fixed before the Alg Comp course starts, and I believe the issue can be closed with very little effort.

#3 - 28 Jan 2014 14:40 - Anna Maria Bigatti

- Category set to Incomplete function
- Status changed from Resolved to Feedback
- Target version set to CoCoA-5.0.9
- % Done changed from 50 to 90

All done

#4 - 03 Mar 2014 17:56 - Anna Maria Bigatti

- Status changed from Feedback to Closed

- % Done changed from 90 to 100

#5 - 02 Apr 2014 18:30 - Anna Maria Bigatti

- Estimated time set to 2.00 h