

CoCoA-5 - Feature #347

C5 cannot compute derivative of a ratfn

02 May 2013 16:49 - John Abbott

Status:	Closed	Start date:	02 May 2013
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	CoCoA-5 function: new	Estimated time:	0.00 hour
Target version:	CoCoA-5.0.3	Spent time:	3.50 hours
Description			
Add formal derivative of a rat fn -- might also be missing from CoCoALib?			

History

#1 - 20 May 2013 11:31 - John Abbott

- Category set to CoCoA-5 function: new
- Status changed from New to Feedback
- Assignee set to John Abbott
- Target version set to CoCoA-5.0.3

Modified at CoCoALib level: FractionField now has a myDeriv mem fn (which expects the base ring to be a PolyRing).

Note that the main "dispatch" fn deriv is actually in PolyRing.C; it checks whether the ring is a FractionField and, if so, delegates the work to FrF.

Still to do: add tests, check documentation.

#2 - 21 May 2013 17:03 - John Abbott

- % Done changed from 0 to 90

Added (v. simple) test and updated doc.

#3 - 31 May 2013 09:42 - Anna Maria Bigatti

added example in manual.

#4 - 19 Feb 2014 21:34 - John Abbott

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

This has been in feedback for 9 months without any problems, so closing.