

CoCoALib - Feature #992

Poly ring homomorphism to change ordering

13 Dec 2016 17:05 - John Abbott

Status:	New	Start date:	13 Dec 2016
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	New Function	Estimated time:	0.00 hour
Target version:	CoCoALib-1.0	Spent time:	0.30 hour
<b>Description</b> It could be helpful to have an easy way of mapping from one poly ring to another which just changes the term ordering.  I am thinking of a simple pseudo-ctor of the form ChangeOrdHom(P1,P2) where P1 and P2 should have the same indet names (in the same order?)			
<b>Related issues:</b>			
Related to CoCoALib - Feature #738: Extend homomorphism to polynomial ring		In Progress	25 Jun 2015
Related to CoCoALib - Feature #1468: Adjoin indets to a poly ring		In Progress	25 Jun 2020

History

#1 - 13 Dec 2016 18:04 - John Abbott

This may be just a special case of "extending a PPMonoid homomorphism" to a poly ring homomorphism.

It could also be seen as an instance of "embedding" one poly ring in another -- this would additionally allow the second poly ring to have extra indets.

#2 - 13 Dec 2016 18:12 - John Abbott

- Related to Feature #738: Extend homomorphism to polynomial ring added

#3 - 25 Jun 2020 06:22 - John Abbott

- Related to Feature #1468: Adjoin indets to a poly ring added