CoCoALib - Feature #1132

Canonical homomorphism for (some) polynomial rings?

30 Nov 2017 09:28 - Anna Maria Bigatti

Status:	New	Start date:	30 Nov 2017	
Priority:	Normal	Due date:		
Assignee:	Anna Maria Bigatti	% Done:	0%	
Category:	New Function	Estimated time:	0.00 hour	
Target version:	CoCoALib-0.99880	Spent time:	0.45 hour	
Description				
	ent to have an automatic homomorpl PolyAlgebraHom(P1, P2, indets(P2))		Judening)	
	led? CanonicalHom? nt from what CanonicalHom means r		otienting/	
but it is quite differer		now: a (one step) embedding/qu	otienting/	
but it is quite differer CanonicalPolyAlgeb	nt from what CanonicalHom means	now: a (one step) embedding/qu		
but it is quite differer CanonicalPolyAlgeb	raHom would be good, but it's a bit	now: a (one step) embedding/qu		

History

#1 - 30 Nov 2017 10:00 - John Abbott

- Related to Feature #7: Automatic mapping between (some) rings added

#2 - 30 Nov 2017 10:04 - John Abbott

JAA thinks that **CanonicalHom** should be fairly general, and not just a "single-step". Perhaps the "single-step" version could be called **CanonicalHom1**?

#3 - 25 Jun 2018 12:07 - John Abbott

- Target version changed from CoCoALib-0.99600 to CoCoALib-0.99650 November 2019

#4 - 01 Oct 2019 12:02 - John Abbott

- Target version changed from CoCoALib-0.99650 November 2019 to CoCoALib-0.99800

#5 - 03 Nov 2021 16:54 - John Abbott

- Target version changed from CoCoALib-0.99800 to CoCoALib-0.99850

#6 - 08 Mar 2024 18:00 - Anna Maria Bigatti

Another convenient homomorphism would be a "BringIn-like" homomorphism (keeping the names of the indets: e.g. x maps to x) Should we call it **BringIn** as in CoCoA? In CoCoA the meaning is slightly different, because the argument is a polynomial, not the homomorphism domain, so we could map x in K[x,y,z] into K[x].

#7 - 08 Mar 2024 18:01 - Anna Maria Bigatti

- Target version changed from CoCoALib-0.99850 to CoCoALib-0.99880