

CoCoALib - Slug #688

PolyAlgebraHom (PolyRingHom) evaluate multivariate polynomials

22 Apr 2015 13:52 - Anna Maria Bigatti

Status:	New	Start date:	22 Apr 2015
Priority:	Normal	Due date:	
Assignee:		% Done:	10%
Category:	Improving	Estimated time:	0.00 hour
Target version:	CoCoALib-1.0	Spent time:	1.50 hour
Description			
Application of PolyAlgebraHom can be unreasonably slow (this is indeed a problem in optimizing multivariate evaluation)			

History

#1 - 22 Apr 2015 13:53 - Anna Maria Bigatti

We found this slug while workig on Implicit (evaluation for checking the final output can be very slow)

#2 - 22 Apr 2015 14:38 - Anna Maria Bigatti

I thought that it could be improved using geobuckets, so I searched the actual code performing the computation. It is ApplySPRCodomain in SparsePolyRing.C.... and yes: it is already using geobuckes :-(

#3 - 22 Apr 2015 14:38 - Anna Maria Bigatti

- % Done changed from 0 to 10