CoCoA-5 - Feature #1476

Lin alg with polys

06 Aug 2020 14:59 - John Abbott

Status:	New	**Start date:**	06 Aug 2020
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	CoCoA-5 function: new	**Estimated time:**	0.00 hour
Target version:	CoCoA-5.4.2	**Spent time:**	0.20 hour

Description

Andraschko requests...

Given two subsets B1 and B2 of a polynomial ring, it is often necessary to construct U=<B1>_K and V=<B2>_K (the K-vector subspaces generated by B1 and B2) and then compute a basis of their direct sum or intersection. Is there an easy way for doing this or do I have to implement everything by myself?

History

#1 - 06 Aug 2020 15:03 - John Abbott

I plan to meet Bernhard on Monday, and hope to learn better exactly what he wants.

Anyway, for some time I have though that "doing linear algebra with polynomials" would be a good idea.