CoCoALib - Feature #310

ordering and grading (weights) matrix

13 Feb 2013 11:57 - Anna Maria Bigatti

Status:	Closed	Start date:	13 Feb 2013	
Priority:	Normal	Due date:		
Assignee:	Anna Maria Bigatti	% Done:	100%	
Category:	Renaming	Estimated time:	5.30 hours	
Target version:	CoCoALib-0.99534 Seoul14	Spent time:	3.10 hours	
Description				
We should have a fu	unction for accessing the matrix and the gr	rading/weights matrix of a F	POrdering.	
And the other? Wei	ghtMat? GradingMat?			
2014-07 Choice was As PPOrdering is im matrix to reference).	s made: OrdMat and GradingMat		rix (because son	ne orderings do not have a
2014-07 Choice was As PPOrdering is im matrix to reference). We could store a Ma	s made: OrdMat and GradingMat		rix (because son	ne orderings do not have a
2014-07 Choice was As PPOrdering is im matrix to reference). We could store a Ma 2014-07 this moved	s made: OrdMat and GradingMat plemented now, these functions would be atrixView in all PPOrderings, but I think th		rix (because son	ne orderings do not have a
2014-07 Choice was As PPOrdering is im matrix to reference). We could store a Ma 2014-07 this moved Related issues:	s made: OrdMat and GradingMat plemented now, these functions would be atrixView in all PPOrderings, but I think th	is is not a problem.	rix (because son	ne orderings do not have a 16 Jan 2012
2014-07 Choice was As PPOrdering is im matrix to reference). We could store a Ma 2014-07 this moved Related issues: Related to CoCoA-5 - F	s made: OrdMat and GradingMat plemented now, these functions would be atrixView in all PPOrderings, but I think th to a specific issue <u>#602</u>	iis is not a problem. in CoCoA-5	·	_
2014-07 Choice was As PPOrdering is im matrix to reference). We could store a Ma 2014-07 this moved Related issues: Related to CoCoA-5 - F Related to CoCoALib -	s made: OrdMat and GradingMat plemented now, these functions would be atrixView in all PPOrderings, but I think th to a specific issue <u>#602</u> Feature #78: Elim ordering and matrix ordering	iis is not a problem. in CoCoA-5 ng, PPMonoid	In Progress	16 Jan 2012

History

#1 - 29 Oct 2013 13:47 - Anna Maria Bigatti

- Target version changed from CoCoALib-0.9953 to CoCoALib-0.99532

#2 - 01 Apr 2014 19:14 - Anna Maria Bigatti

- Target version changed from CoCoALib-0.99532 to CoCoALib-0.99533 Easter14

#3 - 11 Apr 2014 17:56 - John Abbott

- Target version changed from CoCoALib-0.99533 Easter14 to CoCoALib-0.99534 Seoul14

#4 - 31 Jul 2014 13:52 - John Abbott

- Status changed from New to In Progress
- Assignee set to John Abbott
- % Done changed from 0 to 20
- Estimated time set to 5.30 h

We have chosen the name **OrdMat** (and mem fn called **myOrdMatCopy**). Also added this fn for PPMonoid and SparsePolyRing -- trivial one line defns.

Unresolved aspects:

- is this fn actually useful? Maybe GradingMat is more useful? (check where/how OrdMat is used!)
- we are considering putting a ConstMatrixView into every PPOrdering so this fn could simply return a reference to that (rather than make a dense copy)

Note: GradingMat can easily be simulated by submat(OrdMat(...),...) but you cannot get OrdMat from GradingMat.

#5 - 31 Jul 2014 13:54 - John Abbott

- Target version changed from CoCoALib-0.99534 Seoul14 to CoCoALib-1.0

Postponing to after Seoul as there are some unresolved aspects.

#6 - 31 Jul 2014 17:43 - Anna Maria Bigatti

- Status changed from In Progress to Resolved
- Assignee deleted (John Abbott)
- Target version changed from CoCoALib-1.0 to CoCoALib-0.99534 Seoul14
- % Done changed from 20 to 70

Renaming done: OrdMat, GradingMat (2014-07)

Moving the MatrixView proposal into another issue

#7 - 31 Jul 2014 17:49 - Anna Maria Bigatti

- Status changed from Resolved to Closed
- Assignee set to Anna Maria Bigatti
- % Done changed from 70 to 100