

CoCoALib - Design #1177

File names: use "SparsePolyOps" prefix for pertinent files

06 Apr 2018 18:51 - Anna Maria Bigatti

Status:	Closed	Start date:	06 Apr 2018
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	Various	Estimated time:	6.66 hours
Target version:	CoCoALib-0.99600	Spent time:	6.30 hours
Description			
Use of a prefix is a convenient way to mimick subdirectories.			
Related issues:			
Related to CoCoALib - Design #1145: File names, coding conventions: Fns, Ops,...		Closed	19 Dec 2017
Related to CoCoALib - Design #1163: Split SparsePolyRing.C in smaller files		Closed	27 Feb 2018
Related to CoCoALib - Design #1184: should BeginIter(RingElem) be in SparsePo...		Closed	18 May 2018
Related to CoCoALib - Design #572: Split SparsePolyRing.H into two files? Pro...		New	14 Jun 2014
Related to CoCoALib - Design #1213: Create PolyOps-RingElem?		New	06 Aug 2018

History

#1 - 06 Apr 2018 18:57 - Anna Maria Bigatti

- Assignee set to Anna Maria Bigatti
- % Done changed from 0 to 30

Now we have

SparsePolyOps-IdealOfPoints
SparsePolyOps-MinPoly
SparsePolyOps-MonomialIdeal
SparsePolyOps-RadicalMembership
SparsePolyOps-RealRadical
SparsePolyOps-ReductionCog
SparsePolyOps-SturmSeq
SparsePolyOps-geobucket
SparsePolyOps-hilbert
SparsePolyOps-ideal
SparsePolyOps-implicit
SparsePolyOps-involutive
SparsePolyOps-reduce
SparsePolyOps

Now I'm undecided it is write for ReductionCog and geobucket because these actually name a class.

#2 - 06 Apr 2018 19:47 - Anna Maria Bigatti

- Related to Design #1145: File names, coding conventions: Fns, Ops, Operations? part 2 added

#3 - 18 May 2018 19:02 - Anna Maria Bigatti

- Status changed from New to In Progress

- % Done changed from 30 to 50

(split SparsePolyOps-RingElem)

SparsePolyOps-EvalInterval.C*
SparsePolyOps-IdealOfPoints.C*
SparsePolyOps-IdealZeroDim.C*
SparsePolyOps-MinPoly.C*
SparsePolyOps-MonomialIdeal.C*
SparsePolyOps-RadicalMembership.C*
SparsePolyOps-RealRadical.C*
SparsePolyOps-RingElem.C*
SparsePolyOps-RingHom.C*
SparsePolyOps-SturmSeq.C*
SparsePolyOps-hilbert.C*
SparsePolyOps-ideal.C*
SparsePolyOps-implicit.C*
SparsePolyOps-involutive.C*
SparsePolyOps-reduce.C*
SparsePolyOps.C*

#4 - 26 Jun 2018 00:39 - Anna Maria Bigatti

- % Done changed from 50 to 60

I think the content of SparsePolyOps.C (the original ;-)) should be now moved into SparsePolyOps-RingElem.C because it contains 5 functions on RingElem:

```
RingElem CoeffHeight(ConstRefRingElem f);

bool IsPalindromic(ConstRefRingElem f); // univariate only
RingElem reverse(ConstRefRingElem f); // univariate only
RingElem reverse(ConstRefRingElem f, ConstRefPPMonoidElem t);

RingElem graeffe(ConstRefRingElem f);
RingElem graeffe3(ConstRefRingElem f);
```

#5 - 02 Aug 2018 17:02 - Anna Maria Bigatti

- Related to Design #1163: Split *SparsePolyRing.C* in smaller files added

#6 - 02 Aug 2018 17:05 - Anna Maria Bigatti

- Related to Design #1184: should *BeginIter(RingElem)* be in *SparsePolyIter* or in *SparsePolyOps-RingElem*? added

#7 - 02 Aug 2018 17:07 - Anna Maria Bigatti

- Related to Design #572: Split *SparsePolyRing.H* into two files? Problem with circular includes. added

#8 - 03 Aug 2018 16:18 - John Abbott

- Status changed from *In Progress* to *Closed*

- % Done changed from 60 to 100

- Estimated time set to 6.66 h

#9 - 06 Aug 2018 15:20 - John Abbott

- Related to Design #1213: Create *PolyOps-RingElem*? added