CoCoA-5 - Support #225

HilbertBasis: cocoa vs normaliz

10 Sep 2012 10:40 - Anna Maria Bigatti

| Status: | Closed | Start date: | 10 Sep 2012 | |
|---|---|---------------------|-------------|-------------|
| Priority: | Normal | Due date: | | |
| Assignee: | Anna Maria Bigatti | % Done: | 100% | |
| Category: | Manual/documentation | Estimated time: | 1.50 hour | |
| Target version: | CoCoA-5.1.0 Easter14 | Spent time: | 1.50 hour | |
| Description | | | | |
| In Normaliz is the Hi | sis(M) is the HilbertBasis of the kerne IbertBasis of the monoid "generated" nes, and improve documentation in Co | by (the rows of) M. | | |
| 2013-04-16 AMB ch | anged name of cocoa function to Hilk | pertBasisKer | | |
| Related issues: | | | | |
| Related to CoCoALib - Feature #227: HilbertBasis from Normaliz: full-lattice | | | New | 10 Sep 2012 |
| Related to CoCoA-5 - Design #1194: Rename HilbertBasisKer into LinKerHilbertB | | | Rejected | 25 Jun 2018 |
| Related to CoCoA-5 - Support #1478: HilbertBasis: clarify | | | Closed | 06 Aug 2020 |
| Related to CoCoA-5 - Feature #1596: Add CoCoA5 function NmzHilbertBasisKer | | | Resolved | 14 May 2021 |

History

#1 - 16 Apr 2013 18:49 - Anna Maria Bigatti

- Status changed from New to Feedback

- % Done changed from 0 to 90

#2 - 05 Dec 2013 18:17 - John Abbott

In an email exchange around 2013-04-17 we discussed names of the fns.

Currently [2013-12-05] they are called HilbertBasisKer and NmzHilbertBasis.

Is this choice a conscious decision? Or was it simple what happened (without thinking)?

In the emails other suggestions are: HilbertBasisPositiveKer(M) perhaps too long? NmzHilbertBasisRows (approved by Bruns) and should there then be a Cols version too?

This has been in feedback for months; can we make an explicit decision, and close?

#3 - 02 Apr 2014 17:33 - Anna Maria Bigatti

- Target version set to CoCoA-5.1.0 Easter14

#4 - 14 May 2014 16:36 - John Abbott

- Target version changed from CoCoA-5.1.0 Easter14 to CoCoA-5.1.1 Seoul14

#5 - 20 May 2014 17:54 - Anna Maria Bigatti

- Status changed from Feedback to Closed

- Target version changed from CoCoA-5.1.1 Seoul14 to CoCoA-5.1.0 Easter14
- % Done changed from 90 to 100
- Estimated time set to 1.50 h

#6 - 25 Jun 2018 11:27 - Anna Maria Bigatti

- Related to Design #1194: Rename HilbertBasisKer into LinKerHilbertBasis? added

#7 - 06 Aug 2020 16:34 - John Abbott

- Related to Support #1478: HilbertBasis: clarify added

#8 - 14 May 2021 16:50 - Anna Maria Bigatti

- Related to Feature #1596: Add CoCoA5 function NmzHilbertBasisKer added