

CoCoALib - Feature #1434

GBasisByHomog for DegLex

04 Mar 2020 19:36 - Anna Maria Bigatti

| | | | |
|---|--------------------|------------------------|--------------------|
| Status: | Closed | Start date: | 04 Mar 2020 |
| Priority: | Normal | Due date: | |
| Assignee: | Anna Maria Bigatti | % Done: | 100% |
| Category: | Improving | Estimated time: | 0.00 hour |
| Target version: | CoCoALib-0.99700 | Spent time: | 4.00 hours |
| Description | | | |
| This should be easy to fix, hopefully | | | |
| <pre>use QQ[x,y,z],DegLex; L := [-x*z^2 -y +1, -y*z^2 -z^3, x^3 +z^2]; I:=ideal(L);GBasis(I); radical(I);</pre> | | | |
| subtask of #1212 | | | |
| Related issues: | | | |
| Related to CoCoALib - Feature #1212: New function: GBasisByHomog | | Closed | 05 Aug 2018 |
| Related to CoCoALib - Bug #1423: Radical 0-dim NYI? missing case for GBasisB... | | Closed | 25 Feb 2020 |

History

#1 - 04 Mar 2020 19:36 - Anna Maria Bigatti

- Related to Feature #1212: New function: GBasisByHomog added

#2 - 04 Mar 2020 19:37 - Anna Maria Bigatti

- Description updated

#3 - 04 Mar 2020 20:38 - John Abbott

- Related to Bug #1423: Radical 0-dim NYI? missing case for GBasisByHomog added

#4 - 06 Mar 2020 17:41 - Anna Maria Bigatti

- Status changed from New to Closed

- % Done changed from 0 to 100

Done.

I had some problems in finding the correct functions to make the matrix.
I'll write some notes about making the matrix for the general case.