

SAGE and Faugeres F4

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Hi,

just browsing through the documentation of the SAGE system, I could not find out which groebner base algorithm is used there. Is it the one of Singular (or Maxima) or an original one implemented inside the SAGE realm itself ? As I noticed, a library for computation with sparse matrices over PIDs is included in SAGE, which can do row-echelon reduction. So a firm basis for the implementation of Faugeres F4 seems to be available. Has this already been considered (or even done) by someone ?

Jürgen

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"At a time when so many scholars in the world are calculating, is it not desirable that some, who can, dream ?" R. Thom

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