

论文

ON THE CONSTRUCTION OF GROEBNER BASIS OF A POLYNOMIAL IDEAL BASED ON RIQUIER-JANET THEORY

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摘要 As a consequence of a previous study of algebraic differential geometry(see [WU1]) there may be associated to certain special kinds of differential ideals some well-behaved basis enjoying some well-behaved properties. If the differential ideals are further specialized so that they correspond to ordinary polynomial ideals then such a well-behaved basis will become the usual Groebner basis of the polynomial ideals while the latter is not known for differential ideals.

关键词 [Polynomial ideal,differential ideal,well](#)

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Key words [Polynomial ideal](#) [differential ideal](#) [well-behaved basis](#) [Groebner basis](#)

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