CHARACTERIZATION AND CONSTRUCTION OF LINEAR SYMPLECTIC RK-METHODS

摘要
关键词

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Abstract A characterization of linear symplectic Runge-Kutta methods, which is based on the W-transformation of Hairer and Wanner, is presented. Using this charac-terization three classes of high order linear symplectic Runge-Kutta methods are constructed. They include and extend known classes of high order linear symplectic Runge-Kutta methods.

Key words

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