A SPECTRAL METHOD FOR A CLASS OF NONLINEAR QUASI-PARABOLIC EQUATIONS

摘要
关键词

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Abstract In this paper, we consider the numerical solution of quasi-parabolic equations of higher order by a spectral method, and propose a computational formula. We give an error estimate of approximate solutions, and prove the convergence of the approximate method and numerical stability on initial values. Under certain conditions, which are much weaker than the conditions in [6], we gain the same convergence rate as in [6].

Key words

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