论文

GLOBAL CLASSICAL SOLUTIONS AND EXPLICITEXACT SOLUTIONS TO A KIND OF QUASILINEARPARTIAL DIFFERENTIAL EQUATIONS

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摘要 In this paper the authors give a complete result on the global existence andthe lifesspan of classical solutions to the Cauchy problem for a kind 0f quasilillear partial differelitial equations of physical interest. The equation concerned is a quasilinear hyper-bolic equation with higher order dissipative term. The meth0d presented here offers an approach which can be used to look for some explicit exact solutions of physical interest.

关键词 Quasilinear equation, the Cauchy problem

分类号

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