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# Global Existence and Nonexistence for a Strongly Coupled Parabolic System with Nonlinear Boundary Conditions

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收稿日期 2003-11-10 修回日期 网络版发布日期 2006-7-14 接受日期 2005-1-4

摘要 This paper deals with the strongly coupled parabolic system  $u_{t}=v^{m}\{\Delta u,v_{t}=u^{n}\{\Delta v,(x,t),(x,t$ 

关键词 <u>Strongly coupled</u> <u>Global existence</u> <u>Finite time blow-up</u> <u>Upper and lower solutions</u> 分类号 35K50

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Abstract This paper deals with the strongly coupled parabolic system  $u_{t}=v^{m}{\Delta u,v_{t}=u^{n} {\Delta v,(x,t)} {\infty {\mathbb N},(x,t)} {\infty {\mathbb N},(x,t)} {\omega {\mathbb N},(x,t)}$ 

Key words Strongly coupled Global existence Finite time blow-up Upper and lower solutions

DOI: 10.1007/s10114-005-0654-x

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