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# Global Approximately Controllability and Finite Dimensional Exact Controllability of Semilinear Heat Equation in R~N

Bo SUN, Yi ZHAO

Department of Mathematics, Zhongshan University

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摘要 We prove the approxomate controllability and finite dimensional exact controllability of semilinear heat equation in R~N with the same control by introducing the weighted Soblev spaces.

关键词 <u>semilinear heat equation</u> <u>controllability</u> 分类号

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Key words semilinear heat equation controllability

DOI:

通讯作者 Bo SUN sunbo5@263.net

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