

论文

OPTIMAL SWITCHING AND IMPULSE CONTROLS FOR DISTRIBUTED PARAMETER SYSTEMS

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摘要 Optimal switching and impulse controls for a distributed parameter systems are considered. We prove that the value functions $u_\varepsilon(\cdot)$ of approximating problems approach to the value function $u(\cdot)$ of the original problem, while $u_\varepsilon(\cdot)$ is the unique viscosity solution of the corresponding Hamilton-Jacobi-Bellman system. We also construct an optimal control for the original problem via the value function $u(\cdot)$.

关键词 [Switching Control](#), [Impulse Control](#), [Dist](#)

分类号

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Key words [Switching Control](#) [Impulse Control](#) [Distributed Parameter System](#) [Value Function](#) [HJB Equation](#) [Visc](#)

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