

**Название публикации:**

On the dense controllability for the parabolic problem with time-distributed functional

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**Аннотация:**

We consider a control problem for one-dimensional heat equation with quadratic cost functional. We prove the existence and uniqueness of a control function from a prescribed set, and study the structure of the set of accessible temperature functions. We also prove the dense controllability of the problem for some set of control functions. © 2018 Irina V. Astashova et al., published by Sciendo.

**Ключевые слова:**

dense controllability, exact controllability, extremal problem, heat equation, quadratic cost functional