

[Makarov, A. A.](#)

**Controllability of evolution partial differential equation.** (Russian. English summary)

[Zbl 1374.35452](#)

Visn. Khark. Univ., Ser. Mat. Prykl. Mat. Mekh. 83, 47-56 (2016).

Summary: Null-controllability of any evolution partial differential equation with constant coefficients in the space of infinitely differentiable rapidly decreasing functions is proved. Conditions under which a control is independent of time are given. Bang-bang controls for the classical equations of mathematical physics are considered.

**MSC:**

**35S10** Initial value problems for PDEs with pseudodifferential operators

**Keywords:**

null-controllability; boundary value problem; Fourier transform; bang-bang control

**Full Text:** [Link](#)