

# On the stability of solution of the parabolic differential equation with time involution

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The initial value problem for the parabolic type involutory partial differential equation is studied. Applying Green's function of space operator generated by the differential problem, we get formula for solution of this problem. The theorem on stability estimates for the solution of this problem with involution is established

**KEYWORDS:** Hilbert space, Parabolic equation with involution; Stability.

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