

G. A. Philippin and A. Safoui, **Some overdetermined parabolic problems**, *Math. Methods Appl. Sci.*, 22 (1999), no. 10, 791–799.

Abstract

In this paper we investigate two classes of overdetermined initial and boundary value problems of parabolic type. Under appropriate assumptions we conclude that the solutions $u(x, t)$ of the considered problems must be radially symmetric, which implies radial symmetry of the boundary configuration.