

ON SOLVABILITY OF MIXED PROBLEM FOR  
SOME EQUATIONS NOT INVOLVED BY  
STANDARD CLASSIFICATIONS

**Abstract**

The solvability of an elementary mixed problem for a class of nonclassical equations being able to pass from the parabolic type to Schrödinger and also to antiparabolic type is investigated by the method of contour integral. Note that one of characteristic properties of these equations is the fact that for the equations of corresponding spectral problems, the arguments of roots of characteristic polynomial by Birkhoff are not constant.