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NON-AUTONOMOUS INHOMOGENEOUS BOUNDARY CAUCHY PROBLEMS AND RETARDED EQUATIONS

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ABSTRACT. In this paper we prove the existence and the uniqueness of classical solution of non-autonomous inhomogeneous boundary Cauchy problems, this solution is given by a variation of constants formula. Then, we apply this result to show the existence of solution of a retarded equation.

A.M.S. (MOS) Subject Classification Codes. 34G10; 47D06

Key Words and Phrases. Boundary Cauchy problem, Evolution families, Classical solution, Wellposedness, Variation of constants formula, Retarded equation

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