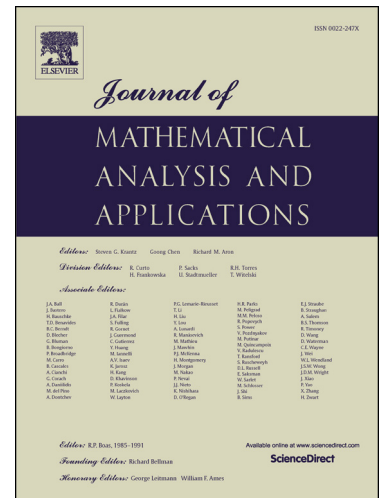




Title: On the Phase-lag Heat Equation with Spatial Dependent Lags

Authors:

Zhuangyi Liu

Department of Mathematics and Statistics

University of Minnesota

Duluth, MN 55812-2496, USA

E-mail: *zliu@d.umn.edu*

Ramón Quintanilla

Department of Mathematics

UPC, Colom 11

08222 Terrassa, Barcelona, Spain

E-mail: *ramon.quintanilla@upc.edu*

Yang Wang

College of Information Science and Technology

Donghua University

Shanghai 201620, P. R. China

E-mail: *wang_yang1991@hotmail.com*

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Mailing address:

Department of Mathematics and Statistics, University of Minnesota, Duluth, MN 55812-2496, USA

Department of Mathematics, UPC, Colom 11, 08222 Terrassa, Barcelona, Spain

College of Information Science and Technology, Donghua University, Shanghai 201620, P. R. China

Abstract: In this paper we investigate several qualitative properties of the solutions of the dual-phase-lag heat equation and the three-phase-lag heat equation. In the first case we assume that the parameter τ_T depends on the spatial position. We prove that when $2\tau_T - \tau_q$ is strictly

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