

HEAT KERNEL ESTIMATES FOR TIME FRACTIONAL EQUATIONS

Takashi KUMAGAI *RIMS, Kyoto University, Japan*, E-mail: kumagai@kurims.kyoto-u.ac.jp
Zhen-Qing Chen *University of Washington, USA*
Panki Kim *Seoul National University, Republic of Korea*
Jian Wang *Fujian Normal University, China*

Abstract: In this talk, we first discuss existence and uniqueness of weak solutions to general time fractional equations and give their probabilistic representation. We then talk about sharp two-sided estimates for fundamental solutions of general time fractional equations in metric measure spaces.