Multidimensional Time Model For PDF For Applications To Rate Of Chemical Reactions

M. Fundator

Division on Behavioral and Social Sciences and Education, National Academies of Sciences, Engineering, and Medicine, Brooklyn, NY, USA

Abstract

Different aspects of application of Multidimensional Time Model for Probability Cumulative Function that can be reduced to finite-dimensional time model with characterization by index set arising from alike supersymmetrical properties of probability in relation to time change in sampling patterns are applied to original Kramers model for application of Brownian motion to velocity of chemical reactions for comparison and evaluation of the state of Equilibrium, particle escape through potential barrier, and memory friction.