

Meeting: 1000, Albuquerque, New Mexico, SS 13A, Special Session on Analysis and Geometry in Carnot-Caratheodory Spaces

1000-35-221 **Jorge Aarao*** (jaarao@mckenna.edu), Department of Mathematics, Claremont McKenna College, 850 Columbia Ave., Claremont, CA 91711. *Forward-backward diffusion in the continuous spectrum case.*

We discuss existence and uniqueness of solutions for a class of forward-backward diffusion equations via a representative example, where the second-order part has continuous spectrum, and the initial and boundary data are suitably chosen. (Received August 25, 2004)