Meeting: 1005, Newark, Delaware, SS 8A, Special Session on Mathematical Biology

1005-41-108 **Christopher S. Raymond*** (`raymond@njit.edu`), Department of Mathematical Sciences, New Jersey Institute of Technology, 323 Martin Luther King, Jr. Blvd., Newark, NJ 07102-1988. *Asymptotics for Certain Biochemical Surface-Volume Reactions.*

We will discuss how to develop a multiple-scales solution for a chemical reaction problem in which one reactant is free to diffuse throughout a domain while the other is confined to a portion of the boundary of the domain. (Received February 02, 2005)