

Meeting: 999, Nashville, Tennessee, SS 11A, Special Session on Nonlinear Partial Differential Equations and Applications

999-35-275 **NICHOLAS D ALIKAKOS*** (nalikako@earthlink.net). *TRIPLE JUNCTIONS ON THE PLANE*. Preliminary report.

In this lecture I will be discussing the linking problem between the diffused model and the corresponding sharp interface problem. In particular I will examine the uniqueness issue for the connections (heteroclinics) for the diffused model, and its implication on the angle (Plateau) conditions. (Received August 24, 2004)