

1110-35-290

Allen M. Tesdall* (allen.tesdall@csi.cuny.edu) and **Richard Sanders**. *Further results on irregular weak reflection.*

Recent numerical solutions and physical experiments have shown the existence of a complex reflection pattern known as GMR which provides a resolution of the triple point paradox. This pattern is characterized by a discontinuous transition from supersonic to subsonic flow at the rear of each patch in a sequence of tiny supersonic patches. We study numerically the possibility of an alternate structure in which the transition from supersonic to subsonic flow is smooth. (Received February 23, 2015)