

Abstract Submitted
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Computational studies of Langmuir solitons and oscillating two stream instabilities¹ S.H. CHANG, Y. NISHIMURA, Natl Cheng Kung Univ —
By a Particle-in-Cell simulation, generation of Langmuir solitons ² is investigated. Onset of oscillating two stream instability (OTSI) ³ is observed subsequent to the collapse of the solitons. The saturation mechanism of OTSI is discussed by estimating the separatrix of resonating islands in the phase space.

¹Ministry of Science and Technology of Taiwan, MOST 103-2112-M-006-007 and MOST 104-2112-M-006-019.

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