Abstract Submitted
for the MAR06 Meeting of
The American Physical Society

Glassy dynamics in interface growth: aging, fluctuation disipation and thermal avalanches JOSE J. RAMASCO, Emory University, JUAN M. LOPEZ, MIGUEL A. RODRIGUEZ, Inst. de Fisica de Catabria (Spain) — In this work we study the KPZ interface growth equation subjected to both quenched and anealed disorder. We find that the interface dynamics shows a glassy behavior in the regime of low temperatures and low external force, a regime commonly known as creep in the superconductor literature. We also describe how the temperature affects to the avalanches in the front development.

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Date submitted: 12 Jan 2006 Electronic form version 1.4