

Abstract Submitted  
for the MAR16 Meeting of  
The American Physical Society

**Evolution of the Adsorption Phases on (111) Terraces With Their Width**<sup>1</sup> ALAIN PHARES, Villanova University, DAVID GRUMBINE, St. Vincent College — We study the evolution of the crystallization patterns, or phases, of monomer adsorption on (111) terraces, with the number  $M$  of atomic sites in the width of the terrace up to and including  $M = 8$ . Pairwise adsorbate-adsorbate first, second and third neighbor interactions, whether attractive or repulsive, are taken into account.

<sup>1</sup>This work is supported in part by the National Institute for Computational Sciences under grant number TG-CHE050014N.

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Date submitted: 05 Nov 2015

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