Analysis and Differential Geometry Seminar

Energy and equilibrium for granular materials

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Abstract: We consider a model for multi-grain clusters of material on a substrate involving scaled surface energies. It is shown that natural equilibrium conditions are not sufficient to ensure an energy equilibrium in certain cases. Theoretical and numerical results suggest the possibility of a gravity driven granular scale. This is joint work with Vadim Derdach, Amy Novick-Cohen, and Ray Treinen.

Tuesday, October 16, 2018, 4:00 pm
Mathematics and Science Center: W303

Mathematics
Emory University