

Seminar

Prof. Elliott Lieb

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A ‘liquid-solid’ phase transition in a simple model for swarming

Wednesday, November 9, 2016

at 14:00 h

ESI, Boltzmann Lecture Hall

Abstract: We consider a non-local shape optimization problem, which is motivated by a simple model for swarming and other self-assembly/aggregation models, and prove the existence of different phases. A technical key ingredient, which we establish, is that a strictly subharmonic function cannot be constant on a set of positive measure. (With Rupert Frank)

J. Yngvason

October 17, 2016