THE DEPARTMENT OF MATHEMATICAL SCIENCES

Indiana University - Purdue University Fort Wayne

is pleased to present

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On external fields created by point masses

Abstract

In this talk, equilibrium problems in the real axis in the presence of external fields created by ("attractive") point masses are analyzed. One of the main questions is whether the support is connected or is the union of disjoint intervals. We are mainly focused in the case of the logarithmic potential, but some attention is also devoted to s–Riesz potentials, despite that they have been more commonly associated with spheres in $\mathbb{R}^n$ in place of the real axis.

Joint work with A. Martínez Finkelshtein, E. A. Rakhmanov, Joaquín Sánchez Lara, P. Dragnev, and D. Benko.

Noon – 1:00, Thursday, May 26, 2016. Location: **ET 131**

http://ipfw.edu/departments/coas/depts/math/news/seminars.html