Function Theory Seminar

Tuesday August 19

Professor Alexander Getmanenko, Northwestern University

“Resurgent Analysis of the Witten Laplacian in One Dimension”

Abstract: I will begin by an overview of the program to relate deformation quantization and the Fukaya category. After that I will discuss a modification of the semiclassical approximation used to calculate the quantum tunneling effect. Finally, I will present an application of these methods to the study of the Witten Laplacian and explain why they may be helpful in understanding of the Fukaya category.

2:30 P.M.

You can also view this information on our departmental web page:

http://calendar.science.purdue.edu/math/seminars