

Dear Members of the Michael Brin and Sergei Novikov Fellowship Selection Committee,

I am currently a PhD student in Mathematics at the University of Wisconsin-Madison, and expect to graduate in the coming spring. My research interests lie primarily in the fields of harmonic analysis and geometric measure theory, though I am also beginning to explore problems related to nonlinear wave equations. In your department, I would be interested in working with Professor Balan and Professor Benedetto. My thesis problem focuses on studying spectral multipliers on compact manifolds using methods of Fourier integral operators, which I am working on under the supervision of Professor Andreas Seeger.

Thank you for your consideration,

Jacob Denson