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Hiring Committee
Department of Mathematics
University of Maryland
College Park, MD 20742-4015

I am a PhD student studying logic at UCLA. I will graduate in June 2017 and would like to apply for Michael BRIN postdoctoral fellow or Math Department postdoctoral fellow beginning in Fall 2017, as posted on the MathJobs website. At UCLA I have interacted with a diverse Logic Group as well as excellent mathematics educators. With this I was able to develop my research program while improving my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of model theory specializing in VC-dimension and VC-density. The main result of my thesis is an improvement of a bound for VC-function in a reduct of p-adic numbers. My other work concerns VC-density computations in Shelah-Spencer graphs and trees in a language of partial orders. My future research projects involve adapting my techniques to valued fields, RV sorts and families of flat graphs.

At University of Maryland, I would be excited to work with Chris Laskowski (whose work on Shelah-Spencer graphs is closely related to my research), as well as with other logicians in the department.

I have taught in both first-year calculus classes and advanced undergraduate classes as well as other fields such as programming and finance. This has exposed me to a large body of students with different skill levels, majors, and background knowledge. My teaching style has adjusted based on the requirements of the class and of the students. I was honored to receive the 2016 Distinguished Teaching Award from the UCLA Mathematics Department. On top of my teaching duties I was closely involved in mentoring undergraduate students doing independent study. I oversaw a variety of projects guiding and advising the students along the way. I look forward to teaching at University of Maryland, exchanging ideas with my colleagues and further refining my teaching techniques.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Matthias Aschenbrenner, as well as from Artem Chernikov and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information. Thank you for your time and consideration. I look forward to talking with you.

Sincerely,
Anton Bobkov