

UCLA Mathematics Department  
Box 951555  
Los Angeles, CA 90095  
bobkov@math.ucla.edu  
(408) 813-6331

November 29, 2016

Postdoctoral Search Committee  
Department of Mathematics  
University of Illinois, Urbana-Champaign  
1409 West Green Street  
Urbana, IL 61801-2975

I am a PhD student studying logic at UCLA. I will graduate in June 2017 and would like to apply for J.L. Doob Research Assistant Professor beginning in Fall 2017, as posted on the MathJobs website. At UCLA I was exposed to a rigorous level of academic expectation. 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 order. My future research projects involve adapting my techniques to valued fields, RV sorts and families of flat graphs.

At UIUC, I would be excited to work with Lou van den Dries, C. Ward Henson, Philipp Hieronymi, 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 would be excited to work in UIUC and to collaborate with my colleagues, exchange ideas and further refine 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

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November 29, 2016

Hiring Committee  
Department of Mathematics  
255 Hurley Hall  
University of Notre Dame  
Notre Dame, IN 46556

I am a PhD student studying logic at UCLA. I will graduate in June 2017 and would like to apply for Notre Dame Instructor in Mathematics beginning in Fall 2017, as posted on the MathJobs website. At UCLA I was exposed to a rigorous level of academic expectation. 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.

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At Notre Dame, I would be excited to work with Sergei Starchenko, whose work on VC-density 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 would be excited to work in Notre Dame and to collaborate with my colleagues, exchange ideas and further refine my teaching techniques.

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Appointments Committee  
Department of Mathematics, Statistics and Computer Science, 322 SEO  
University of Illinois at Chicago  
851 S. Morgan Street (M/C 249), Box R  
Chicago, IL 60607-7045

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At UIC, I would be excited to work with John Baldwin, as well as with other logicians in the department.

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