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November 20, 2004

Dear Hiring Committee,

While searching on the American Mathematical Society's website for a position with which to start my career as a mathematician, I found your department's open position. Believing that I am fully qualified for this position and that I will benefit greatly from your department's academic environment as well as contribute to its activities in the forthcoming years, I am submitting this application.

Mathematics has always been an inspiration and a passion for me since my childhood, but only on completion of my Ph.D. degree in Mathematics in May 2005 will I really have a chance to pursue mathematics as my lifetime career. Throughout the years of graduate studies, I have taken a variety of courses in both pure and applied mathematics to broaden my view and discover the beauty in different branches of mathematics. However, my research is concentrated on the study of the three dimensional Navier-Stokes equations, in particular, the analysis of their regular solutions and the mathematical analysis of fluid flows which those solutions represent. The results that I have obtained together with my collaborators are the first estimates of the asymptotic expansions of the regular solutions and their use in the theoretical study of fluid flows. I believe that my ability to do pure analysis in some applied problems from mathematical physics is well-suited to your research position. I would also like to have a chance to work with some of your faculty members to broaden my research in partial differential equations in general and fluid dynamics in particular.

In addition, teaching mathematics has a special meaning in my life. I have taught many classes of my own in different institutions and gained teaching experience and skills over the years. Given my teaching experience and quality, I trust that I am able to fulfill all teaching duty and to participate actively in your department's academic activities, thus integrating fully into your staff.

Enclosed are my curriculum vitae, two research papers, research statement, teaching statement and the AMS standard cover sheet.

Thank you very much for your consideration. I look forward to having an opportunity for further discussion with you about my qualifications.

Sincerely yours,

Luan Thach Hoang

Enclosure