



TEXAS A&M UNIVERSITY
Department of Mathematics
College Station, TX 77843

December 1, 2013

Dear Sir or Madam:

I am writing to apply for a position at your institution. I believe my background and experience are well suited to this position, and that I would make a strong, positive, active addition to your department. Furthermore, I am especially intrigued by the possibility of collaboration with your outstanding faculty in both research and teaching.

I am currently a Visiting Assistant Professor in the Department of Mathematics at Texas A&M University, where I work with Professors Ciprian Foias and Jean-Luc Guermond. I earned my PhD in mathematics from the University of California at Irvine under the advisement of Professor Edriss Titi. I have also been a graduate research assistant at Los Alamos National Lab, returning several times while completing my PhD. My research interests lie in, pure, applied, and computational mathematics; specifically in the fields of partial differential equations, fluid dynamics, mathematical and numerical analysis, as well as computational science. I have made several contributions to problems in these fields including: the modeling and computational simulation of turbulence; the global well-posedness of parabolic and pseudo-parabolic PDEs; the effect of boundary conditions on the behavior of solutions to PDEs; and the theory of attractors for dynamical systems.

In addition to my research, I have had seven years of teaching experience. I was the instructor of record for several undergraduate courses and I am currently the instructor of record for a graduate course in numerical analysis. As a graduate student, I received the honor of winning the Richard Greene Teaching Award, which is awarded to the most outstanding graduate instructor.

Not only would joining your department be an honor I would truly enjoy, but the unique combination of the research interests of the faculty are particularly attractive. I am confident that I will make a strong contribution to the research, teaching, and service activities in the department.

I look forward to discussing my research projects and teaching activities in greater detail with you. Thank you for your time and consideration.

Sincerely yours,

Adam Larios
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