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I am a 4th year PhD student in applied mathematics at university of Alberta. My research is focused primarily on Numerical analysis and scientific computing. I am interested in solving parabolic differential equations, hyperbolic differential equations. I am also interested in connecting numerical method with biological model problems. Recently, I am working on the efficient solver for the models from acoustics, which is time-harmonic hyperbolic differential equation.

I have published two papers in 2006, submitted one paper in 2007. There are two papers in preprint now.

I am very interested in the multiscale method for solving some systems. Although I know how to solve lots of mathematical problems, I'd like to know how people model the real world in a mathematical model.

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Thank you very much.