GRADUATE SEMINAR

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Algebraic Riccati Equations and the Chapman–Enskog Projection

PhD Student supervised by Chun-Hua Guo

Monday, April 9th, 2018
3:30 – 4:30 pm
CW 307.20 (Math Lounge)

Abstract

In this talk we present solvability conditions for the algebraic Riccati equation that arises in connection with the Chapman–Enskog projection for the Cauchy problem. A reduction from a projection problem to an algebraic Riccati equation has been made. Moreover, we investigate the properties of the block matrix associated with the arisen algebraic Riccati equation.

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Mathematics and Statistics