SCMS Seminar

TRACE JACOBI INEQUALITY AND ITS APPLICATION IN LAGRANGIAN MEAN CURVATURE EQUATIONS

Speaker: Xingchen Zhou
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Time：Fri, Nov. 8th, 14:30-15:30 PM
Venue: SCMS 102

Abstract: Jacobi inequality is a powerful tool in the a priori estimates for degenerate fully nonlinear equations, such as Hessian equations and special Lagrangian equations. In this talk we will introduce one of the newly developed version, called trace Jacobi inequality, and show its application in the sharp regularity theorem of Lagrangian mean curvature equations. We will also talk about some new idea of applying Jacobi inequalities in prescribing curvature equations and M-A equations.