

# GEOMETRY OF RICCI SOLITONS

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The aim of this course is to present some topics and recent developments related to the geometry and classification of shrinking gradient Ricci solitons with emphasis on the asymptotic behavior of complete shrinking gradient Ricci solitons. Topics will include asymptotic behavior of potential function, scalar curvature etc of a complete shrinking gradient Ricci soliton. We also plan to discuss the very recent compactness result of shrinking solitons with positive sectional curvature by Ovidiu Munteanu and Jiaping Wang.

Duration: 3 hours.