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# Student Geometry Seminar

國立清華大學數學系 學生幾何研討會

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**講題** An introduction to basic Riemannian geometry

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**時間** 2025.12.03 (Wed) 16:30 – 18:00

**地點** 綜三 631

## Abstract

In this talk, I will provide a brief introduction to Riemannian geometry. I'll start from Riemannian metric and Levi Civita connection, building on this, we then introduce geodesics as curves that satisfy geodesic equation. Finally we'll explore curvature in this viewpoint . If time permits, we'll briefly touch Jacobi fields and show how the curvature influences the behavior of geodesics.

