
Student Geometry Seminar

國立清華大學數學系 學生幾何研討會

講題 Principal bundles and invariant connections

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時間 2022.05.27 (Fri) 10:00 – 11:00

地點 online (<https://nthu-meeting.webex.com/join/hyliao>)

Abstract

In this talk, I would like to briefly introduce the concept of principal bundles and connections. With these terminologies, when there is an extra Lie group G acting on the principal bundle P by associating an automorphism of P to each element in G , is there a way to characterize the connections that are invariant under G -action. Under some conditions, the theorem by Wang (1958) gives a description of such connections.