



Geometry Webinar AmSur/AmSul

Lie groupoids and singular Riemannian foliations

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14:00 - Online

Resumo: I will discuss some aspects of the interplay between Lie groupoids and singular Riemannian foliations. To each singular Riemannian foliation we associate a linear holonomy groupoid to a neighbourhood of each leaf. This groupoid is a dense subgroupoid of a proper Lie groupoid. On the other hand, Lie groupoids with compatible metrics give rise to singular Riemannian foliations. We discuss how far these groupoids are from being a dense subgroupoid of a proper Lie groupoid. The talk will be based on joint work with Marcos Alexandrino, Marcelo Inagaki and Mateus de Melo.