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Rui Loja Fernandes* (ruiloja@illinois.edu). *Riemannian structures on Lie groupoids.*

In this talk I will discuss the notion of a multiplicative Riemannian structure on a Lie groupoid and I will explain how it can be applied to give a simple proof of local linearization of a groupoid around a leaf. This new notion differs from a certain notion of Riemannian groupoid that one can find in the literature. (Received August 24, 2013)