

Title: *Riemannian and Finsler Laplace-Beltrami Operators*

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Abstract:

The Laplace-Beltrami operator is a very important object in Riemannian geometry. Following the diverse possible approaches to Finsler geometry, several generalizations have been proposed in this extended context. After recalling the dynamic approach of Finsler geometry developed by Patrick Foulon, I will present the Laplace-Beltrami operator proposed by Thomas Barthelmé and some results he obtained with it. Some results obtained in the Finsler context with other definitions are also presented.