



UNIVERSITÀ DEGLI STUDI
DI TRENTO

Dipartimento di Matematica



SEMINARI

Mathematics for Data Science, Artificial Intelligence and Machine Learning

Friday 4 November 2022 – at 14:00

Seminar Room “-1”, Povo0, Via Sommarive 14,

and online through the ZOOM platform

<https://unitn.zoom.us/j/81698041878> (Passcode: 028649)

Silvia Villa

(Università di Genova)

Regularization properties of first order methods

Abstract:

In this talk I will show that first order methods exhibit implicit regularization properties. This is based on the observation that beyond being convergent, they are also stable with respect to perturbations in the data. Thanks to convergence and stability, first order algorithms can therefore be used as regularization methods, offering a provably computational efficient alternative to explicit Tykhonov regularization.

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CONTATTI

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