“Doc in Progress” and #iorestoacasa are pleased
to introduce you to

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Comparing geometry through
monotonicity formulas

Geometric Analysis aims to describe complicated geometries in terms of simple shapes. Monotonicity formulas along suitable geometric evolutions are a conceptually easy tool to do it: as with a monotone function we can compare its values simply knowing the order of the points, so with monotonicity formulas we can find inequalities between geometric quantities. A celebrated example is the monotonicity of the entropy along the Ricci flow, which led to the resolution of the Poincaré Conjecture. Without reaching this level of difficulty, the purpose of this talk is to introduce this method through some examples, spanning from the classical ones to some recent results.

Thursday, March 25 – at 15:00

The seminar will be online, using the Zoom software.

To participate in the event, please contact sara.sottile@unitn.it using an institutional e-mail address.