

# On the relations between principal eigenvalue and torsional rigidity

*Introduce*

Marco Degiovanni

Università Cattolica del Sacro Cuore

*Interviene*

Giuseppe BUTTAZZO

Università degli Studi di Pisa

Abstract

The relations between principal eigenvalue of the Laplace operator and torsional rigidity are studied in the class of general domains, convex domains, and domains with a small thickness. This is of help to provide some bounds for the Blaschke-Santaló diagram of the two quantities.

## Seminario

**Mercoledì 30 ottobre 2019**

**Aula 8, ore 15.30**

Via dei Musei 41 - Brescia

