

**The spectrum of the Laplacian in a domain bounded by a flexible polyhedron in Euclidean space does not always remain unaltered during the flex**

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at ICERM July 2020

We study the Dirichlet and Neumann eigenvalues for the Laplace operator in bounded domains of Euclidean  $d$ -space whose boundary is a flexible polyhedron. The main result is that both the Dirichlet and Neumann spectra of the Laplace operator in such a domain do not necessarily remain unaltered during the flex of its boundary.

The talk is based on the article:

V. Alexandrov. *The spectrum of the Laplacian in a domain bounded by a flexible polyhedron in  $\mathbb{R}^d$  does not always remain unaltered during the flex*. Journal of Geometry, **111**, no. 2. Paper No. 32 (2020).