MAFIA - the seminar you can’t refuse

On the first Robin eigenvalue for a class of anisotropic operators

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Abstract: The aim of the talk is to present some results, obtained in a joint paper with N. Gavitone, about the first eigenvalue of the anisotropic $p$-Laplace operator with Robin boundary condition involving a function $\beta$ which in general is not constant. More precisely, we investigate a monotonicity property of the eigenvalue with respect to the set inclusion, a Faber-Krahn type inequality and a Cheeger type inequality.

References