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Title: Energy permutation of modes in the Schrodinger equation on a moving rectangular confinement.

Abstract: The energy permutation of nodes for the Schrodinger equation in a rectangular domain is considered. We analyze a suitable control that combine two actions: the domain deformation and a Dirac potential supported at a single point of the domain. We prove that a suitable strategy combining these two controls allows to achieve any prescribed permutation of nodes. We also analyze a numerical method to approximate such controls.

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