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## Quantitative bounds for the index of translators via topology

Abstract: In this talk I will discuss some quantitative estimate on the extended index of translators for the mean curvature flow in the Euclidean space and with bounded norm of the second fundamental form. The estimate involves the dimension of the space of weighted square integrable f-harmonic 1-forms. I will discuss how the dimension of this space can be related to the topology at infinity of the translator and, in some special situation, we will see how it is possible to obtain quantitative estimates of the stability index in terms of the topology of the surface. The talk is based on joint works with M. Rimoldi.