APPROXIMATE RESOLUTIONS IN STRONG SHAPE THEORY

by

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Abstract. By adding a coherent system of homotopies to an approximate inverse system of ANR-spaces of polyhedra in the sense of Mardešić, Rubin and Watanabe we integrate the theory of approximate systems into coherent homotopy theory. When applied to an approximate resolution of a space this process leads to a strong expansion and hence determines the strong shape of that space.

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