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Geometrical Chigogidze resolution

Abstract. We prove that almost all orthogonal projections of the standard Nöbeling space lying in high-dimensional Euclidean space onto $(2k+1)$-dimensional linear subspaces are k-soft strong k-universal with respect to the maps of Polish spaces. On the one hand these maps represent a fiberwise version of the standard Nöbeling space, on the other hand they are natural finite-dimensional counterpart of the trivial Hilbert space fibration. The maps constructed here in a geometrical manner possess the properties of the maps constructed in an abstract manner by A. Chigogidze (1989). With help of the construction suggested here we find new properties of the Chigogidze resolution.