

Iztok Banič, *University of Maribor, Slovenia*

Inverse limits as limits with respect to the Hausdorff metric

We show, using inverse limits of inverse sequences of compact metric spaces and upper semi-continuous multivalued bonding functions, that the inverse limit of any inverse sequence of compact metric spaces and surjective bonding maps is in fact the limit of a sequence of homeomorphic copies of the same spaces in certain ambient space with respect to the Hausdorff metric.