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Coarse homotopy on metric spaces and their corona

Comment.Math.Univ.Carolin. 62,2 (2021) 243 –257.

Abstract: This paper discusses properties of the Higson corona by means of a quotient on coarse ultrafilters on a proper metric space. We use this description to show that the corona functor is faithful and reflects isomorphisms.

Keywords: Higson corona; coarse geometry

AMS Subject Classification: 51F99, 54H99

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