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Coarse homotopy on metric spaces and their corona. (English) Zbl 07396221

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

MSC:
51F99 Metric geometry
54H99 Connections of general topology with other structures, applications

Keywords:
Higson corona; coarse geometry

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