



Completing graphs to metric spaces

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Abstract

We prove that certain classes of metrically homogeneous graphs omitting triangles of odd short perimeter as well as triangles of long perimeter have the extension property for partial automorphisms and we describe their Ramsey expansions.

Keywords: Ramsey class, metric space, homogeneous structure, metrically homogeneous graph, extension property for partial automorphisms

1 Introduction

Given integers δ , K and C we consider the class $\mathcal{A}_{K,C}^\delta$ of finite metric spaces $\mathbf{M} = (M, d)$ with integer distances such that

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