The Gray graph is a unit-distance graph

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*Dedicated to Dragan Marušič on the happy occasion
of his 70th birthday.*

Abstract

In this note we give a construction proving that the Gray graph, which is the smallest cubic semisymmetric graph, is a unit-distance graph.

Keywords: Polycirculant, unit-distance graph, Gray graph, ADAM graph, generalized Petersen graph.

Math. Subj. Class.: 05C62, 05E18, 20B25, 05C75, 05C76, 05C10

Grayjev graf je graf enotske razdalje

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***Posvečeno Draganu Marušiču ob veseli priložnosti
njegovega 70. rojstnega dne.***

Povzetek

V tem članku podajamo konstrukcijo, ki dokazuje, da je Grayjev graf, ki je najmanjši kubični polsimetrični graf, graf enotske razdalje.

Ključne besede: Policirkulant, graf enotske razdalje, Grayjev graf, ADAM-ov graf, posplošeni Petersenov graf.

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