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Construction of planar 4-connected triangulations

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Abstract: In this article we describe a recursive structure for the class of 4-connected triangulations or – equivalently – cyclically 4-connected plane cubic graphs.

Math. Subj. Class.: 05C10, 05C30, 05C75

Keywords: Planar triangulation, cubic graph, generation, recursive structure.

Konstrukcija ravninskih 4-povezanih triangulacij

Povzetek: V tem članku opišemo rekurzivno strukturo za razred 4-povezanih triangulacij oziroma ciklično 4-povezanih ravninskih kubičnih grafov.

Ključne besede: Ravninska triangulacija, kubični graf, generiranje, rekurzivna struktura.