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Fullerene patches II

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Abstract

In this paper, we show that fullerene patches with nice boundaries containing between 1 and 5 pentagons fall into several equivalence classes; furthermore, any two fullerene patches in the same class can be transformed into the same minimal configuration using combinatorial alterations.

Keywords

Fullerenes, fullerene patches, pseudoconvex patches

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Fulerenske strukture II

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Povzetek

V tem članku pokažemo, da lahko fulerenske strukture, katerih robovi vsebujejo od enega do pet petkotnikov, razdelimo na več ekvivalenčnih razredov, in da poljubni dve fulerenski strukturi iz istega razreda lahko transformiramo v isto minimalno konfiguracijo z uporabo kombinatoričnih transformacij.

Keywords

Fulereni, fulerenska struktura, psevdokonveksna struktura