



Also available at <http://amc-journal.eu>
ISSN 1855-3966 (printed edn.), ISSN 1855-3974 (electronic edn.)
ARS MATHEMATICA CONTEMPORANEA 9 (2015) 219–232

Extending patches to fullerenes

*Christina M. Graves, Jennifer McLoud-Mann, Kristen Stagg
Rovira*

Abstract: In this paper we consider fullerene patches that can be extended to pseudconvex patches. We show that all fullerene disks with three or fewer pentagons can be extended to pseudoconvex patches, and that all pseudoconvex patches can be extended to fullerenes.

Keywords: Fullerenes, fullerene patches, boundary codes, pseudoconvex patches.

Math. Subj. Class.: 05C10, 05C75, 92E10

Razširitev krpank na fullerene

Povzetek: V tem članku obravnavamo fullerenske krpanke, ki jih lahko razširimo na psevdokonveksne krpanke. Pokažemo, da vse fullerenske diske s tremi ali manj petkotniki lahko razširimo na psevdokonveksne krpanke, in da vse psevdokonveksne krpanke lahko razširimo na fullerene.

Ključne besede: Fullereni, fullerenske krpanke, robne kode, psevdokonveksne krpanke.