

A new infinite family of graceful generalised Petersen graphs, via “graceful collages” again.

Andrea Vietri

Dipartimento Me.Mo.Mat.
Università La Sapienza, Roma

Abstract

By strengthening an edge-decomposition technique for gracefully labelling infinitely many generalised Petersen graphs, we provide graceful labellings for a new infinite family of such graphs. The method seems flexible enough to manage several other classes of graphs in the future.

Keywords: Edge-decomposition of graphs, generalised Petersen graph, graceful labelling.

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