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Enumeration of rooted nearly 2-regular simple planar maps. (English) Zbl 1258.05063
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Summary: This paper discusses the enumeration of rooted nearly 2-regular simple planar maps and presents some formulae for such maps with the valency of the root-face, the numbers of nonrooted vertices and inner faces as three parameters.

MSC:

05C45 Eulerian and Hamiltonian graphs

05C30 Enumeration in graph theory

Keywords:

Smarandachely map; simple map; nearly 2-regular map; enumerating function; functional equation; Lagrangian inversion; Lagrangian inversion