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Enumeration of rooted loopless unicursal planar maps. (English) Zbl 1340.05159
Ars Comb. 117, 131-146 (2014).

Summary: In this paper we investigate the number of rooted loopless unicursal planar maps and present some formulae for such maps with up three parameters; the number of edges and the valencies of the two odd vertices.

MSC:

05C45 Eulerian and Hamiltonian graphs

05C30 Enumeration in graph theory

05C10 Planar graphs; geometric and topological aspects of graph theory

Keywords:

loopless maps; unicursal map; enumerating function; functional equation; Lagrangian inversion