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**Enumeration of a class of rooted planar unicyclic maps.** (English) Zbl 1413.05172  
[Ars Comb.](#) 125, 47-62 (2016).

Summary: A unicyclic map is a rooted planar map such that there is only one cycle which is the boundary of the unique inner face (the inner face contains no trees) and the root-vertex is on the cycle. In this paper we investigate the number of unicyclic maps and present some formulae for such maps with up to three parameters: the number of edges and the valencies of the root-vertex and the root-face.

**MSC:**

05C30 Enumeration in graph theory

**Keywords:**

[unicyclic map](#); [enumerating function](#); [functional equation](#); [Lagrangian inversion](#)