

Original Articles

射影平面上映射枚举(计数)

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收稿日期 修回日期 网络版发布日期 接受日期

摘要 通过内面数映射计数泛函方程,讨论了射影平面上非根顶点数等.利用内面数和非根顶点数,得到生成函数的显式表达式.从这个结果,得到了已由E.A.Bender等(1988)讨论过的利用边数,给出有限映射的计数作为一个推论.

关键词 [射影平面](#) [泛函方程](#)

分类号

Enumeration of maps on the projective plane

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Abstract The enumerative functional equation of maps by the number of inner faces, the valency of root face and the number of non-rooted vertices on the projective plane is studied. An explicit expression for the generating function by the number of inner faces and the number of non-rooted vertices is obtained. From this result, the enumeration of rooted maps by the number of edges discussed in [1] is obtained as a corollary.

Key words [Projective plane](#) [map](#) [functional equation](#)

DOI:

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