## Free Group Actions on Products of Spheres

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Every finite group G can act freely on a product of spheres. Hence given a finite group G we could define n(G) as the minimum integer n such that G acts freely on a product of n spheres. In this talk, I will first discuss some known lower bounds on n(G) in terms of subgroup data for G. Then I will give a list of methods for constructing free group actions on products of spheres. Finally I will discuss how one can use these methods to obtain some upper bounds on n(G).