

# On a subfactor generalization of Wall's conjecture

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## **Abstract**

In 1960s G.E.Wall conjectured that the number of maximal subgroups of a finite group is bounded by the order of the group. In this talk I will describe a subfactor generalization of Wall's conjecture and partial confirmation in examples ranging from groups, Hopf algebras, fusion categories and conformal field theory. This generalization also implies a conjecture about VOA and sub-VOA which I will discuss. The talk is based on joint work with R. Guralnick and discussions with V. Jones.