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Yansy Perez and **Vincent Villalobos**. *Intersections of maximal subgroups of finite*

groups. Preliminary report.

In a popular paper of Cohn, the concept of a covering number of a group was introduced. The *covering number* of a finite group G is the smallest number of proper subgroups of G whose set-theoretic union is G . Covering numbers are the subject of prior research by numerous authors, and in this talk we focus on a dual problem to that of covering numbers of groups, which involves maximal subgroups of finite groups. In addition, we will compare our results to some of the well-known results on covering numbers. (Received September 25, 2018)