

On The Number Of Elements of Maximal Order of a Group

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Abstract

The goal of this seminar is to investigate how the number of elements of maximal order of a group affects the order of a group. In doing this we will show that if a Group G has finitely many elements of maximal order, then G is finite and bounded by a bound dependent on the number of elements of maximal order.

References

- [1] I. Martin Isaacs. *Finite Group Theory*. American mathematical society 2008.
- [2] Willian Coker, Geetha Venkataramar: On the Number of Elements of maximal order in a Group . American Mathematical society, 2019