

## AN $\mathcal{E}$ -LATTICE STRUCTURE ASSOCIATED TO SOME CLASSES OF FINITE GROUPS

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**Abstract.** In the present paper we introduce and study a canonical  $\mathcal{E}$ -lattice structure on the set of element orders of some finite groups. We show that a finite abelian group is uniquely determined by this canonical  $\mathcal{E}$ -lattice.

**Key Words and Phrases:** canonical  $\mathcal{E}$ -lattices, element orders, abelian groups, isomorphisms.

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