

# LATTICES AND THEIR PROPERTIES

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In this dissertation lattices and their properties are discussed. Semi lattices, distributive lattices and modular lattices are described. Boolean algebras are distributive complemented lattices with 0 and 1 are studied. Also the method, how a Boolean ring can be made into a Boolean algebra and vice versa is given.

This dissertation has three chapters. Chapter one introduces the notion of lattices. In chapter two the definition of distributive lattices and modular lattices is given. Also the difference and the relation between them are brought out. The final chapter brings the relation between the Boolean ring and the Boolean algebra is brought out.