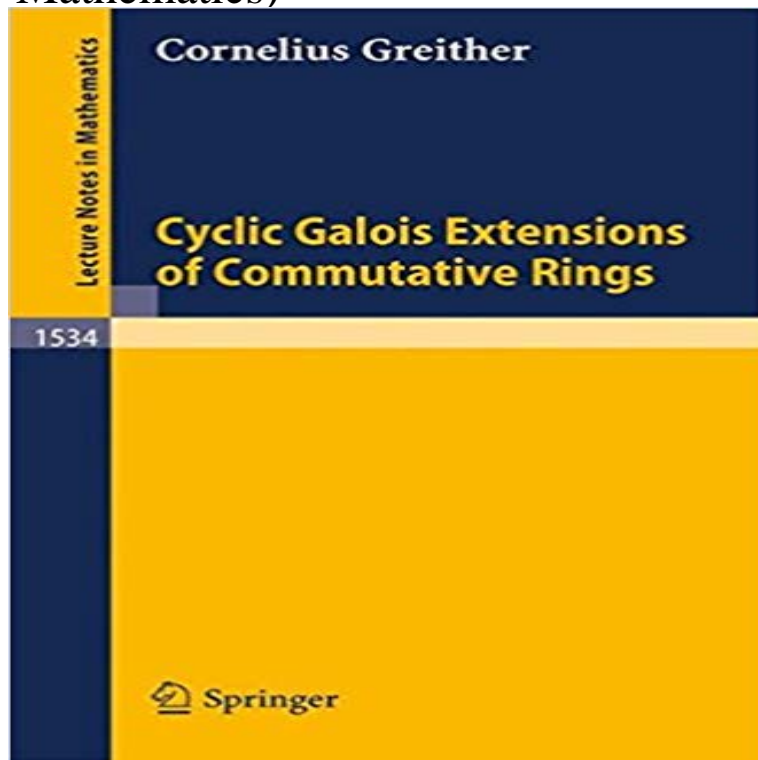


# Cyclic Galois Extensions of Commutative Rings (Lecture Notes in Mathematics)



The structure theory of abelian extensions of commutative rings is a subject where commutative algebra and algebraic number theory overlap. This exposition is aimed at readers with some background in either of these two fields. Emphasis is given to the notion of a normal basis, which allows one to view in a well-known conjecture in number theory (Leopoldts conjecture) from a new angle. Methods to construct certain extensions quite explicitly are also described at length.

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