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Abstract:	Commutator subgroups of Artin's braid groups B_n are well studied by Gorin and Lin in their 1969 paper, where they obtained finite presentation for B_n' for each n. Later, in 1993, Savushkina gave a simpler presentation for B_n'. The goal of this thesis is to understand the structure of the commutator subgroups of some of the generalizations of Artin's braid groups B_n, namely the welded braid groups WB_n, the generalized virtual braid groups GVB_n, the flat welded braid groups FWB_n, the flat virtual braid groups FVB_n, and the twin groups TW_n. As consequences of the above investigations we prove several algebraic and geometric properties of the above groups.
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