

On the presentations of the commutator subgroup of a right-angled Coxeter group

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In this talk we will give another approach to the description of the generators and relations of the commutator subgroup of a right-angled Coxeter group, which is different from Panov and Veryovkin ' s work. In particular, the fundamental group of the real moment-angle manifold associated to the pentagon can be written explicitly as a one-relator group.