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Subsymmetry decomposition of H_3 polytopes

Polytopes of non-crystallographic Coxeter group in 3D are considered. The method of decorating Coxeter-Dynkin diagrams, which allows to describe polytopes in all dimensions is presented. The method of decomposing vertices of H_3 polytopes into orbits of lower symmetry groups is explained. The decomposition is provided for polytopes with 60 vertices.