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Twisting self-dual chrial 4-polytopes

A chrial polytope is a non reflexible polytope with maximal symmetry by rotation. Self-dual chiral polytopes can be properly or improperly. Properly self-dual chrial 4-polytopes can be twisted to obtain regular maps. A similar operation can be done for improperly self-dual chiral 4-polytopes which will give us chiral quotents of the Petrie–Coxeter polyhedra.