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REGULAR MAPS AND TWISTED PROJECTIVE GROUPS

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Maps are cellular embeddings of graphs into closed compact surfaces. Regular maps are maps with the highest possible level of symmetry. A map is regular if its automorphism group acts regularly on the set of its flags (a flag is a mutually incident vertex-edge-face triple). We will focus on regular maps with automorphism group isomorphic to a twisted projective group and we will present classification of all regular maps on some small twisted projective groups.