

**Chiral polyhedra and almost simple groups with socle
 $PSL(2,q)$**

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We discuss the existence of chiral polyhedra with automorphism group isomorphic to an almost simple groups with socle $PSL(2, q)$. We prove that there exists such a chiral polyhedron if and only if its group is not $M(1, 9)$, $PSL(2, q)$ or $PGL(2, q)$ for any prime power q .