

# Bundles over Klein surfaces

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In this work, we first study generalities about Klein surfaces: the topology, the real covers, the orbifold group, the categorical equivalences with real algebraic curves and with pairs of a riemann surface and an antiholomorphic involution,

Then, we focus on the notion of real bundle over Klein surfaces and give an equivalence between line bundles and real representations. We finish with some particular and interesting examples of real bundles over the sphere and the torus.