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Quandles are important examples of magmas, which come from knot theory where they are used to produce invariants of links. Quandles were introduced and first studied by Joyce and Matveev. Turing degrees were introduced in computability theory by Post to measure relative computability-theoretic complexity of mathematical objects. There are uncountably many Turing degrees and they form an upper semi-lattice. We apply the methods of computability theory to investigate the complexity of countable quandles. We show that for various quandles from several important natural subclasses, the sets of Turing degrees of all isomorphic quandles form certain upper cones in the Turing degrees.

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