これまでの研究成果：英語版

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I became interested in a class of quandles with a manifold structure called "smooth quandle," as defined by Ishikawa [1]. Considering several examples, I developed the conjecture that smooth quandles might be embedded in conjugate quandles formed by suitable Lie groups. This conjecture was influenced by the examination of a property known as "faithfulness of quandles," and it is novel in the sense that it approaches the algebraic properties of quandles starting from their manifold structure. The applicant has demonstrated that the conjecture is correct in the case of quandles known as spherical quandles.

参考文献

[1] Katsumi Ishikawa. On the classification of smooth quandles. preprint.