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An example of twisted bialgebras of finite topological quandles

mercredi 23 octobre 2024 10:00 (55 minutes)

In this presentation, I will discuss the classification method for finite topological quandles for a given cardinality n. As an application, we classify finite topological quandles with up to 4 elements. Then in a second step, I will talk about twisted bialgebra structures within the realm of finite topological quandle species, one of the first kind and one of the second kind. The obstruction for the structure to match the double twisted bialgebra axioms is explicitly described.

These findings are the result of collaboration with Dominique Manchon.

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