Homology of distributive systems: a historical perspective

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Abstract

Homology theory of associative structures like groups and rings has been zealously studied throughout the past starting from the work of Hopf, Eilenberg, and Hochschild, but non-associative structures, like quandles, were neglected till recently.

The condition which can often replace associativity is distributivity and my talk will be devoted to homology of distributive structures with an eye on a hypothetical connection to Khovanov homology.

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