ON VASSILIEV INVARIANTS OF BRAID GROUPS OF THE SPHERE

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We construct a universal Vassiliev invariant for braid groups of the sphere and the mapping class groups of the sphere with \( n \) punctures. The case of a sphere is different from the classical braid groups or braids of oriented surfaces of genus strictly greater than zero, since Vassiliev invariants in a group without 2-torsion do not distinguish elements of braid group of a sphere.

This is a joint work with Nizar Kaabi [1].

REFERENCES


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