

**Gurevich, D. I.**

**Equation de Yang-Baxter et quantification des cocycles. (The Yang-Baxter equation and quantization of cocycles).** (French) [Zbl 0719.17005](#)

C. R. Acad. Sci., Paris, Sér. I 310, No. 12, 845-848 (1990).

The author constructs on a Lie algebra or on a Poisson algebra a cocycle associated with a solution of the classical Yang-Baxter equation. He also forms a quantum analogue of this cocycle.

Reviewer: J.Kubarski (Łódź)

**MSC:**

- [17B37](#) Quantum groups (quantized enveloping algebras) and related deformations
- [17B66](#) Lie algebras of vector fields and related (super) algebras
- [37J99](#) Dynamical aspects of finite-dimensional Hamiltonian and Lagrangian systems
- [57S25](#) Groups acting on specific manifolds
- [17B05](#) Structure theory for Lie algebras and superalgebras

Cited in **3** Documents

**Keywords:**

Poisson algebra; cocycle; classical Yang-Baxter equation; quantum analogue