

**Stolovitch, Laurent**

**Rigidity of Poisson structures.** (English) Zbl 1204.53073  
Proc. Steklov Inst. Math. 267, 256-269 (2009).

The main result of the paper under review provides conditions ensuring that suitable analytic perturbations of a quasihomogeneous Poisson structure  $\mathcal{L}$  are analytically conjugate to  $\mathcal{L}$  as soon as they are formally conjugate to  $\mathcal{L}$ . Loosely speaking, the corresponding sufficient conditions consist in the requirement that the spectrum of a certain linear self-adjoint operator on the space of formal bivectors does not accumulate at 0 too quickly.

Reviewer: Daniel Belțiță (București)

**MSC:**

**53D17** Poisson manifolds; Poisson groupoids and algebroids

**Keywords:**

quasihomogeneous Poisson structure; singular vector field; analytic perturbation

**Full Text:** [DOI](#)

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