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Structural stability of singular holomorphic foliations having a meromorphic first integral.

(English) [Zbl 0735.57014](#)

Topology 30, No. 3, 315-334 (1991).

From the introduction: “We give extensions of Reeb’s Stability Theorem to singular holomorphic foliations of codimension 1 having a meromorphic first integral and defined on projective manifolds \mathcal{M} with $H^1(\mathcal{M}, \mathbb{C}) = 0$. (...) If the leaves form a Lefschetz pencil, then the foliation is C^0 -structurally stable.”.

Reviewer: [G.Andrzejczak \(Łódź\)](#)

MSC:

[57R30](#) Foliations in differential topology; geometric theory

[32S65](#) Singularities of holomorphic vector fields and foliations

Cited in **5** Reviews
Cited in **22** Documents

Keywords:

structural stability; singular holomorphic foliations

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