

**Sullivan, Dennis**

**Cycles for the dynamical study of foliated manifolds and complex manifolds.** (English)

Zbl 0335.57015

Invent. Math. 36, 225-255 (1976).

For a scan of this review see the [web version](#).

**MSC:**

**57R30** Foliations in differential topology; geometric theory

**32C15** Complex spaces

**57R25** Vector fields, frame fields in differential topology

**58A25** Currents in global analysis

Cited in **13** Reviews  
Cited in **118** Documents

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

**References:**

- As Asimov, D.: Homotopy to divergence? free vector fields and an obstruction to finding a volume preserved by a non-singular vector field. I.A.S. Preprint (1976) · [Zbl 0343.57011](#)
- Bo Bourbaki, N., Livre VI. Integration, Ch. 6, p. 58 Paris: Hermann
- De De Rham, G.: Variétés différentiables. Formes, courantes, formes harmoniques. Paris: Hermann 1955
- E Epstein, D.: Periodic Flows on 3-manifolds. Ann. of Math. (2) 95 (1972) · [Zbl 0231.58009](#)
- EMS Edwards, R., Millett, K., Sullivan, D.: Foliations with all leaves compact. To appear in Topology (1976). · [Zbl 0356.57022](#)
- F Federer, H.: Geometric measure theory. Die Grundlehren ... Band 153. New York: Springer 1969 · [Zbl 0176.00801](#)
- Fr Fried, D.: To appear
- H Haefliger, A.: Séminaire de Bourbaki 1967, Exposés 339 ?Travaux de Novikov sur les feuilletages?
- HE Hawking, S. W., Ellis, G. F. R.: The large scale structure of space-time, p. 198. Cambridge: University Press 1973 · [Zbl 0265.53054](#)
- K King, J.: The currents defined by analytic varieties. Acta Mathematica vol. 127, 1871 · [Zbl 0224.32008](#)
- M Montgomery, D.: Pointwise Periodic Homeomorphisms. Amer. J. Math. 59 (1937) · [Zbl 63.0565.05](#)
- P Plante, J.: Foliations with measure preserving holonomy. Ann. Math. 102, 327-362 (1975) · [Zbl 0314.57018](#) · [doi:10.2307/1971034](#)
- Ph Phelps, R.: Lectures on Choquet's theorem. Van Nostrand, Math. Studies \# 7 (1966) · [Zbl 0135.36203](#)
- PS Phillips, A. Sullivan, D.: Geometry of Leaves. In preparation · [Zbl 0454.57016](#)
- R Ruelle, D.: Statistical mechanics. New York: Benjamin 1969 · [Zbl 0177.57301](#)
- RS Ruelle, D., Sullivan, D.: Currents, flows, and diffeomorphisms. Topology vol. 14 \# 4. · [Zbl 0321.58019](#)
- Sc Schwartz, L.: Théorie des distributions. Nouvelle Edition. Paris: Hermann 1966
- Sch Schwartzman, S.: Asymptotic cycles. Ann. Math. 66, 270-284 (1957) · [Zbl 0207.22603](#) · [doi:10.2307/1969999](#)
- S Sullivan, D.: A counterexample to the periodic orbit conjecture. To appear Publications I.H.E.S. vol. 46. Also ?A New Flow? B.A.M.S. (to appear) 1976
- SW Sullivan, D. Williams, R.: Homology of attractors. To appear in Topology (1976)
- W Whitney, H.: Geometric integration theory, Princeton: University Press 1957 · [Zbl 0083.28204](#)

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