

Bibliography

- [1] Vladimir I. Arnol'd, *Certain topological invariants of algebraic functions*, Trudy Moskov. Mat. Obšč. **21** (1970), 27–46.
- [2] ———, *Geometrical methods in the theory of ordinary differential equations*, Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Science], vol. 250, Springer-Verlag, New York, 1983, Translated from the Russian by Joseph Szücs, Translation edited by Mark Levi.
- [3] ———, *Sturm theorems and symplectic geometry*, Funktsional. Anal. i Prilozhen. **19** (1985), no. 4, 1–10, 95.
- [4] ———, *The asymptotic Hopf invariant and its applications*, Selecta Math. Soviet. **5** (1986), no. 4, 327–345, Selected translations.
- [5] Emil Artin, *Theorie der Zöpfe*, Abh. Math. Sem. Hamburgischen Univ. **4** (1926), 47–72.
- [6] Jean Barge and Étienne Ghys, *Surfaces et cohomologie bornée*, Invent. Math. **92** (1988), no. 3, 509–526.
- [7] ———, *Cocycles d'Euler et de Maslov*, Math. Ann. **294** (1992), no. 2, 235–265.
- [8] Christophe Bavard, *Longueur stable des commutateurs*, Enseign. Math. (2) **37** (1991), no. 1–2, 109–150.
- [9] Gennadiĭ V. Belyĭ, *Galois extensions of a maximal cyclotomic field*, Izv. Akad. Nauk SSSR Ser. Mat. **43** (1979), no. 2, 267–276, 479.
- [10] Riccardo Benedetti and Carlo Petronio, *Lectures on hyperbolic geometry*, Universitext, Springer-Verlag, Berlin, 1992.
- [11] Abraham Berman and Robert J. Plemmons, *Nonnegative matrices in the mathematical sciences*, Academic Press [Harcourt Brace Jovanovich Publishers], New York, 1979, Computer Science and Applied Mathematics.
- [12] Mladen Bestvina and Mark Feighn, *A hyperbolic $\text{Out}(F_n)$ complex*, 2008, arXiv:0808.3730.
- [13] Mladen Bestvina and Koji Fujiwara, *Bounded cohomology of subgroups of mapping class groups*, Geom. Topol. **6** (2002), 69–89 (electronic).
- [14] Robert Bieri and Ralph Strebel, *On groups of PL homeomorphisms of the real line*, preprint, 1985.
- [15] Stephen Bigelow, *The Burau representation is not faithful for $n = 5$* , Geom. Topol. **3** (1999), 397–404 (electronic).
- [16] Joan S. Birman, *Braids, links, and mapping class groups*, Princeton University Press, Princeton, N.J., 1974, Annals of Mathematics Studies, No. 82.
- [17] Béla Bollobás and Oliver Riordan, *A polynomial invariant of graphs on orientable surfaces*, Proc. London Math. Soc. (3) **83** (2001), no. 3, 513–531.
- [18] Michael D. Boshernitzan, *Dense orbits of rationals*, Proc. Amer. Math. Soc. **117** (1993), no. 4, 1201–1203.
- [19] Abdessalam Bouarich, *Suites exactes en cohomologie bornée réelle des groupes discrets*, C. R. Acad. Sci. Paris Sér. I Math. **320** (1995), no. 11, 1355–1359.
- [20] Brian H. Bowditch, *A topological characterisation of hyperbolic groups*, J. Amer. Math. Soc. **11** (1998), no. 3, 643–667.
- [21] ———, *Tight geodesics in the curve complex*, Invent. Math. **171** (2008), no. 2, 281–300.
- [22] Steven Boyer, Dale Rolfsen, and Bert Wiest, *Orderable 3-manifold groups*, Ann. Inst. Fourier (Grenoble) **55** (2005), no. 1, 243–288.
- [23] Volker Braungardt and Dieter Kotschick, *Clustering of critical points in Lefschetz fibrations and the symplectic Szpiro inequality*, Trans. Amer. Math. Soc. **355** (2003), no. 8, 3217–3226 (electronic).