

Bibliography

- [1] Raoul Bott and Loring W. Tu, *Differential forms in algebraic topology*, Springer Verlag, 1982.
- [2] Dan Burghelea, Nicolau C. Saldanha, and Carlos Tomei, *Results on infinite-dimensional topology and applications to the structure of the critical sets of nonlinear Sturm-Liouville operators*, Journal of Differential Equations **188** (2003), 569–590.
- [3] Earl Coddington and Norman Levinson, *Theory of ordinary differential equations*, Krieger Publishing Company, 1984.
- [4] H.S.M. Coxeter, *Non-Euclidean geometry*, Mathematical Association of America, 1998.
- [5] Werner Fenchel, *Über Krümmung und Windung geschlossener Raumkurven*, Math. Ann. **101** (1929), 238–252.
- [6] Boris A. Khesin and Boris Z. Shapiro, *Nondegenerate curves on S^2 and orbit classification of the Zamolodchikov algebra*, Commun. Math. Phys. **145** (1992), 357–362.
- [7] ———, *Homotopy classification of nondegenerate quasiperiodic curves on the 2-sphere*, Publ. Inst. Math. (Beograd) **66 (80)** (1999), 127–156.
- [8] John A. Little, *Nondegenerate homotopies of curves on the unit 2-sphere*, J. of Differential Geometry **4** (1970), 339–348.
- [9] Richard Palais, *Homotopy theory of infinite dimensional manifolds*, Topology **5** (1966), 1–16.
- [10] Nicolau C. Saldanha, *The homotopy and cohomology of spaces of locally convex curves in the sphere – I*, arXiv:0905.2111v1, 2009.
- [11] ———, *The homotopy and cohomology of spaces of locally convex curves in the sphere – II*, arXiv:0905.2116v1, 2009.
- [12] ———, *The homotopy type of spaces of locally convex curves in the sphere*, arXiv:1207.4221, 2012.

- [13] Nicolau C. Saldanha and Boris Z. Shapiro, *Spaces of locally convex curves in S^n and combinatorics of the group B_{n+1}^+* , *Journal of Singularities* **4** (2012), 1–22.
- [14] Boris Z. Shapiro and Michael Z. Shapiro, *On the number of connected components in the space of closed nondegenerate curves on S^n* , *Bulletin of the AMS* **25** (1991), no. 1, 75–79.
- [15] Michael Z. Shapiro, *Topology of the space of nondegenerate curves*, *Math. USSR* **57** (1993), 106–126.
- [16] Stephen Smale, *Regular curves on Riemannian manifolds*, *Trans. of the AMS* **87** (1956), no. 2, 492–512.
- [17] Hassler Whitney, *On regular closed curves in the plane*, *Compositio Mathematica* **4** (1937), no. 1, 276–284.