

# Publication List

Christopher L. Cox

[epistibrain.github.io](https://epistibrain.github.io)

12. C. Cox, R. Feres, B. Zhao, *Rolling Systems and their Billiard Limits*, Regular and Chaotic Dynamics, 26 (2) 2021. [[arXiv](#)]
11. T. Chumley, S. Cook, C. Cox, R. Feres, *Rolling and no-slip bouncing in cylinders*, Journal of Geometric Mechanics, 12 (1) 2020. [[arXiv](#)]
10. C. Boone, C. Cox, E. Smith, *Specular and no-slip billiards with cusps*, Proceedings of the ICTCM, 2019. [[link](#)]
9. C. Cox, R. Feres, H.-K. Zhang, *Stability of periodic orbits of no-slip billiards*, Nonlinearity, 31 (10), 2018, 4433-4471. [[arXiv](#)]
8. M. Correia, C. Cox, H.-K. Zhang, *Ergodicity in umbrella billiards*, New Horizons in Mathematical Physics, 1 (2), 2017, 56-67. [[arxiv](#)]
7. C. Cox, R. Feres, *No-slip billiards in dimension two*, Dynamical Systems, Ergodic Theory, and Probability: in Memory of Kolya Chernov, Contemporary Mathematics, vol. 698, Amer. Math. Soc., Providence, RI, 2017, 91-110. [[arXiv](#)]
6. C. Cox, *No-slip Billiards*, PhD Thesis, 2016. [[link](#)]
5. C. Cox, R. Feres, *Differential geometry of rigid bodies collisions and non-standard billiards*, Discrete and Continuous Dynamical Systems A 36 (11), 2016, 6065-6099. [[arXiv](#)]
4. C. Cox, *The honeycomb problem on hyperbolic surfaces*, unpublished, 2005. [[link](#)]
3. C. Cox, *Flow-dependent networks: Existence and behavior at Steiner points*, Networks **31** (1998), no. 3, 149-156. [[link](#)]
2. C. Cox, L. Harrison, M. Hutchings, S. Kim, J. Light, A. Mauer, M. Tilton, *The shortest enclosure of three connected areas in  $\mathbb{R}^2$* , Real Anal. Exchange 20 (1994/95), 313-335. [[link](#)]
1. T. Colthurst, C. Cox, J. Foisy, H. Howards, K. Kollett, H. Lowy, and S. Root, *Networks minimizing length plus the number of Steiner points*, Network Optimization Problems: Algorithms, Complexity and Applications, (1993), pp. 23-26. [[link](#)]