

DAVE RICHESON'S PUBLICATION LIST

(updated: July 5, 2007)

1. TOPOLOGY AND DYNAMICAL SYSTEMS

- [1] David Richeson and Jim Wiseman. Positively expansive dynamical systems. *Topology and its Applications*, To appear.
- [2] David Richeson and Elizabeth Bouzarth. Topological helicity for framed links. *Journal of Knot Theory and its Ramifications*, 13(8):1007–1019, 2004.
- [3] David Richeson and Jim Wiseman. Positively expansive dynamical systems on compact spaces. *International Journal of Mathematics and Mathematical Sciences*, 54:2907–2910, 2004.
- [4] David Richeson and Jim Wiseman. Equivalence of expanding properties (problems). *Topology Proceedings*, 28(1):299–300, 2004.
- [5] David Richeson and Jim Wiseman. A fixed point theorem for bounded dynamical systems (addendum). *Illinois Journal of Mathematics*, 48(3):1079–1080, Fall 2004.
- [6] David Richeson and Jim Wiseman. Bounded homeomorphisms of the open annulus. *New York Journal of Mathematics*, 9:55–68, 2003.
- [7] David Richeson and Jim Wiseman. A fixed point theorem for bounded dynamical systems. *Illinois Journal of Mathematics*, 46(2):491–495, Summer 2002.
- [8] David Richeson and John Franks. Shift equivalence and the Conley index. *Transactions of the American Mathematical Society*, 352(7):3305–3322, 2000.
- [9] David Richeson. Connection matrix pairs for the discrete Conley index. In *Conley index theory (Warsaw, 1997)*, volume 47, pages 219–232, Warsaw, 1999. Polish Academy of Sciences, Banach Center Publications.

2. EULER'S POLYHEDRON FORMULA

- [1] David Richeson and Christopher Francese. The flaw in Euler's proof of his polyhedral formula. *American Mathematical Monthly*, 114:286–296, April 2007.
- [2] David Richeson. The polyhedral formula. In R. Bradley and E. Sandifer, editors, *Leonhard Euler: Life, Work and Legacy*, volume 5 of *Studies in the history and philosophy of mathematics*, pages 421–439. Elsevier, Amsterdam, 2007.
- [3] Leonhard Euler. Proof of some notable properties with which solids enclosed by plane faces are endowed (translated by David Richeson and Christopher Francese, summer 2004). *Novi Commentarii Academiae Scientiarum Petropolitanae*, 4:72–93, 1758.

3. UNDERGRADUATE MATHEMATICS

- [1] David Richeson. A π -less buffon's needle problem. *Mathematics Magazine*, 79(5):385–389, December 2006.
- [2] David Richeson. Centers of the United States. *The College Mathematics Journal*, 36(5):366–373, November 2005.

4. BOOK REVIEWS

- [1] David Richeson. Review of *Topology Now!*, by Robert Messer and Philip Straffin. *Read This! The MAA Online Book Review Column*, April 8, 2006.
- [2] David Richeson. Review of *Topology and its Applications*, by William F. Basener. *MAA Reviews*, January 1, 2007.

5. MISCELLANEOUS PUBLICATIONS

- [1] David Richeson. An illuminating example of the Gauss map. *The College Mathematics Journal*, 35(1):14, January 2004.
- [2] David Richeson and Cotten Seiler. Math goes pop: The American public succumbs to the allure of a formerly 'uncool' discipline. *Dickinson Magazine*, 80(4), Spring 2003.