

John Edwin Wetzel
A very brief bio
2018

Born March 6, 1932 in Hammond, Indiana, to Miles T. Wetzel, an electrical engineer, and Isabel (Barnhart) Wetzel, an elementary school teacher. Youth in Goshen, Indiana; Goshen High School class of 1950. B.S. Purdue University 1954. Ph.D. (Mathematics) Stanford University 1964, dissertation "A compactification theory with potential-theoretic applications," advisor Prof. Halsey Royden. Department of Mathematics, University of Illinois at Urbana-Champaign September, 1961 to May, 1999; full professor 1987. Retired May, 1999.

Fourteen selected publications. Reprints of many of these can be found on ResearchGate.

"Divisions of space by parallels" (with G. L. Alexanderson), *Trans. Amer. Math. Soc.* **291** (1985) 363-377.

"Which Grünbaum arrangements are simplicial?" *Expo. Math.* **11** (1993) 109-122.

"The smallest convex cover for triangles of perimeter two" (with Zoltán Füredi), *Geom. Dedicata* **81** (2000) 285-293.

"Rectangles in rectangles," *Math. Mag.* **73** (2000) 204-211.

"Fits and covers," *Math. Mag.* **76** (2003) 349-363, 398.

"Lost in a forest" (with Steven R. Finch), *Amer. Math. Monthly* **111** (2004) 645-654. (MAA 2005 Lester R. Ford Prize article)

"Drapeability" (with John M. Maki and Wacharin Wichiramala), *Discrete Comput. Geom.* **34** (2005) 637-657.

"Straw in a box" (with Richard P. Jerrard, Joel Schneider, and Ralph Smallberg), *College Math. J.* **37** (2006) 93-102. (MAA 2006 George Pólya Award article)

"Covering n -segment unit arcs is not sufficient" (with Chatchawan Panraksa and Wacharin Wichiramala), *Discrete Comput. Geom.* **37** (2007) 297-299.

"The broadest three-segment unit arc" (with Chatchawan Panraksa and Wacharin Wichiramala), *Period. Math. Hungar.* **55** (2007) 157-168.

"An ancient elliptic locus," *Amer. Math. Monthly* **117** (2010) 161-167.

"A covering theorem for families of sets in R^d " (with Wacharin Wichiramala), *J. Combin.* **1** (2010) 69-76.

"Escape paths of Besicovitch triangles" (with Yevgenya Movshovich), *J. Combin.* **2** (2011) 413-433.

"Platonic passages" (with Richard P. Jerrard and Liping Yuan), *Amer. Math. Monthly* **90** (2017) 87-98.

"The n -cube is Rupert" (with Greg Huber and Kay Pechenick Shultz), *Amer. Math. Monthly* **125** (2018) 505-512. DOI: 10.1080/00029890.2018.