

NEWS, EVENTS AND ANNOUNCEMENTS

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ANATOLE KATOK (1944-2018)

May 03, 2018

Katok, who made significant contributions to ergodic theory and dynamical systems, died April 30 at the age of 73. Among his many well-known contributions are Katok-Stepin approximations, developed with Anatoly M. Stepin, and the Katok entropy conjecture. Katok was an invited speaker at the International Congress of Mathematicians in 1983, a member of the American Academy of Arts and Sciences, and an inaugural Fellow of the AMS. He grew up in the Soviet Union and received a Moscow Mathematical Society for Young Mathematicians Prize (with Stepin and Valery Oseledets) in 1967. The following year he earned his doctorate from Moscow State University under the direction of Yakov Sinai. Katok was a researcher at the USSR Academy of Science until 1978 when he moved to the U.S. and joined the faculty at the University of Maryland. In 1984 he became a professor at Caltech and in 1990 joined the faculty at Pennsylvania State University, where he was the Raymond N. Shibley Professor of Mathematics. Katok was the founding editor of the *Journal of Modern Dynamics* and co-author with Boris Hasselblatt, his former PhD student, of the important text *Introduction to the Modern Theory of Dynamical Systems*. Among his survivors are his wife, Svetlana, also a professor in the Penn State Department of Mathematics. Katok was an AMS member since 1985. For more information, see his obituary, which links to condolences

(<http://kochfuneralhome.com/tribute/details/1672/Anatole-Katok/obituary.html>), and "Anatole Katok, mathematician who explored chaos theory, dies at 73,"

(<https://www.washingtonpost.com/local/obituaries/anatole->

katok-mathematician-who-explored-chaos-theory-dies-at-73/2018/05/09/09516a6c-50d5-11e8-84a0-458a1aa9ac0a_story.html?utm_term=.1cd85ae25c49) by Martin Weil, *The Washington Post*.

MICHEL RAYNAUD (1938-2018)

April 27, 2018

Raynaud, a French mathematician whose work had a profound influence on algebraic geometry, died March 10 at the age of 79. Among his notable results were a proof of the Manin-Mumford conjecture and of the Abhyankar conjecture for the affine line. Raynaud was an invited speaker at the International Congress of Mathematicians in 1970. He was a member of the French Academy of Sciences, received its Ampère Prize in 1987, and received the 1995 Cole Prize in Algebra (</notices/199504/prize-cole.pdf>) with David Harbater for their work proving the Abhyankar conjecture. Raynaud received his PhD from University of Paris XI in 1968 under the direction of Alexander Grothendieck. His wife, Michèle, is a mathematician as well, and also earned her PhD under Grothendieck's direction. See more about Michel Raynaud's work on his Wikipedia page (https://en.wikipedia.org/wiki/Michel_Raynaud).

DAVID FOULIS (1930-2018)

April 26, 2018

Foulis, who worked on the algebraic foundations of quantum mechanics and for whom Foulis semigroups are named, died April 3 at the age of 87. He received his PhD from Tulane University in 1958 under the direction of Fred Boyer Wright, Jr. and held positions at Lehigh University, Wayne State University, and the University of Florida before joining the faculty at the University of Massachusetts Amherst in 1965. He retired from the university in 1997. Foulis wrote seven undergraduate textbooks, including *Calculus with Analytic Geometry* co-authored with Mustafa A.