

Competition Cosmos

Abel Prize in Mathematics

Year	Laureate(s)	Citation
2003	Jean-Pierre Serre	"For playing a key role in shaping the modern form of many parts of mathematics, including topology, algebraic geometry and number theory."
2004	Michael Atiyah	"For their discovery and proof of the index theorem, bringing together topology, geometry and analysis, and their outstanding role in building new bridges between mathematics and theoretical physics."
	Isadore Singer	
2005	Peter Lax	"For his groundbreaking contributions to the theory and application of partial differential equations and to the computation of their solutions."
2006	Lennart Carleson	"For his profound and seminal contributions to harmonic analysis and the theory of smooth dynamical systems."
2007	S. R. Srinivasa Varadhan	"For his fundamental contributions to probability theory and in particular for creating a unified theory of large deviation."
2008	John G. Thompson	"For their profound achievements in algebra and in particular for shaping modern group theory."
	Jacques Tits	
2009	Mikhail Gromov	"For his revolutionary contributions to geometry."
2010	John Tate	"For his vast and lasting impact on the theory of numbers."
2011	John Milnor	"For pioneering discoveries in topology, geometry, and algebra."

2012	Endre Szemerédi	"For his fundamental contributions to discrete mathematics and theoretical computer science, and in recognition of the profound and lasting impact of these contributions on additive number theory and ergodic theory."
2013	Pierre Deligne	"For seminal contributions to algebraic geometry and for their transformative impact on number theory, representation theory, and related fields."
2014	Yakov Sinai	"For his fundamental contributions to dynamical systems, ergodic theory, and mathematical physics."
2015	John F. Nash Jr. Louis Nirenberg	"For striking and seminal contributions to the theory of nonlinear partial differential equations and its applications to geometric analysis."
2016	Andrew Wiles	"For his stunning proof of Fermat's Last Theorem by way of the modularity conjecture for semistable elliptic curves, opening a new era in number theory."
2017	Yves Meyer	"For his pivotal role in the development of the mathematical theory of wavelets."
2018	Robert Langlands	"For his visionary program connecting representation theory to number theory."
2019	Karen Uhlenbeck	"For her pioneering achievements in geometric partial differential equations, gauge theory and integrable systems, and for the fundamental impact of her work on analysis, geometry and mathematical physics."

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