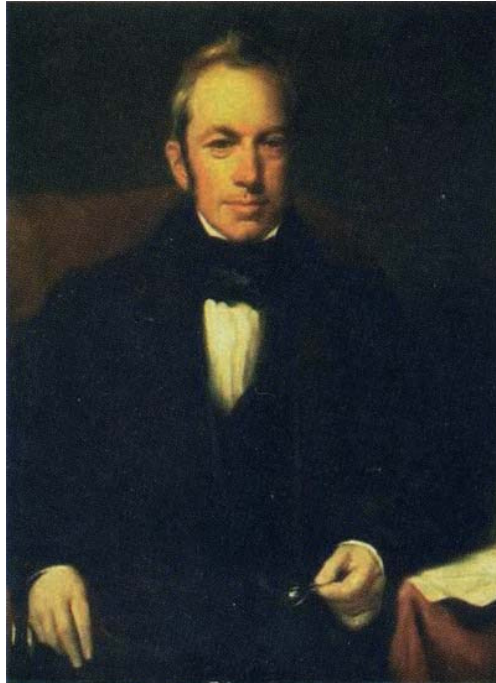


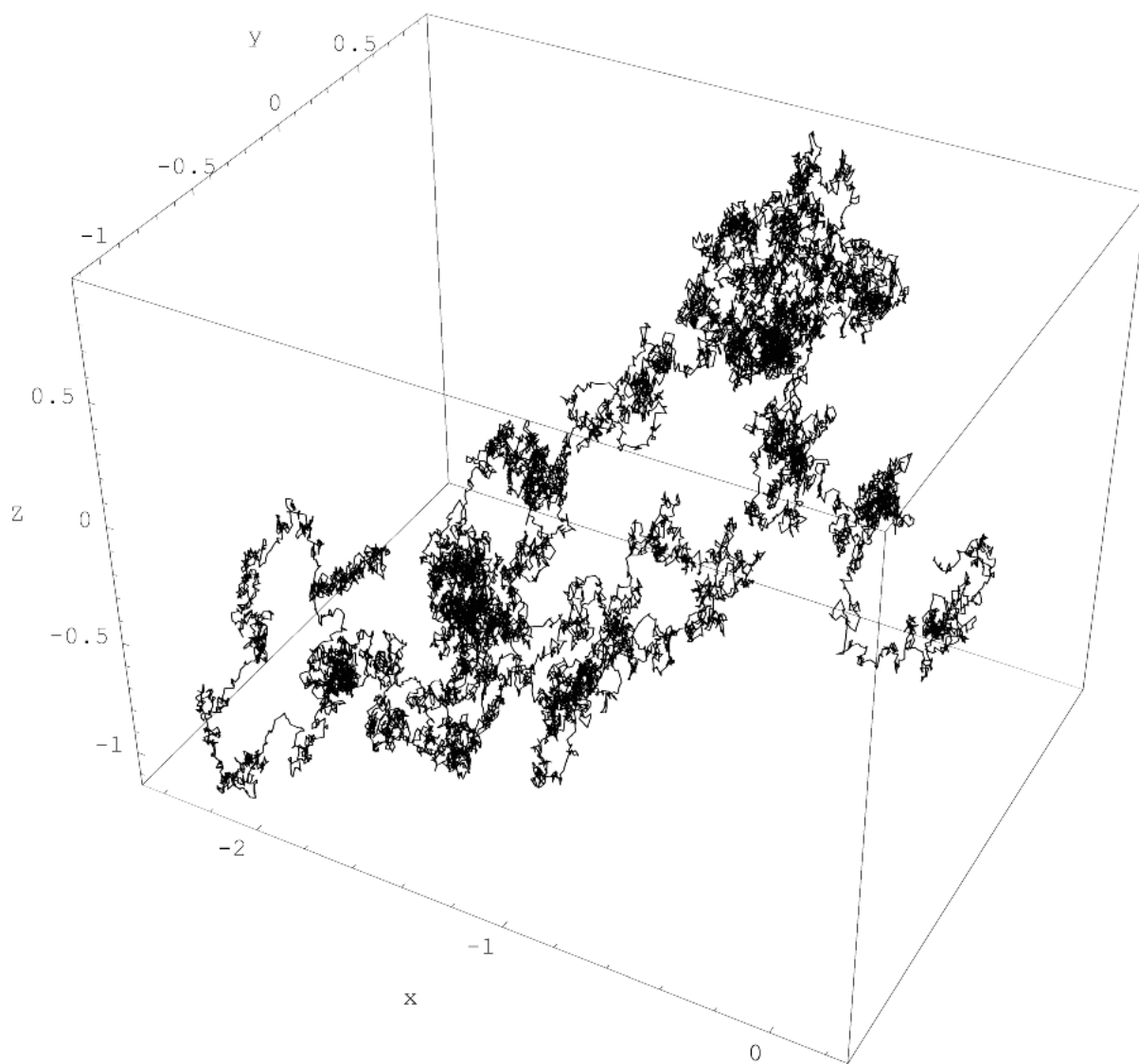
Robert Brown, FRS
(21 December 1773 – 10 June 1858)

Born: Montrose, Scotland

Died: London, England



A 3-dimensional Brownian motion





Louis Bachelier

Louis Bachelier, aged 15

Born March 11, 1870
[Le Havre, France](#)

Died April 28, 1946 (aged 76)
 Saint-Servan-sur-Mer, [France](#)

Nationality [French](#)

Fields [Mathematics](#)

[University of Paris](#)

Institutions Université de Franche-Comté
 (Besançon)

Université de Dijon

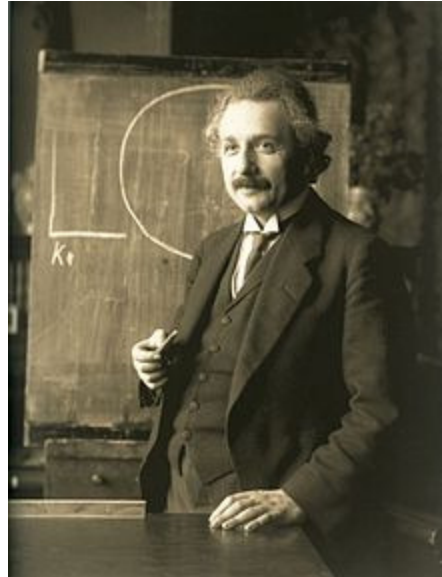
Université de Rennes

[Alma mater](#) University of Paris

**[Doctoral
 advisor](#)** [Henri Poincaré](#)

Known for Contributions to
[mathematical finance](#)

Albert Einstein



Albert Einstein in 1921

Born	14 March 1879 Ulm, Kingdom of Württemberg, German Empire
Died	18 April 1955 (aged 76) Princeton, New Jersey, U.S.
Residence	Germany, Italy, Switzerland, Austria, Belgium, United States
Citizenship	<ul style="list-style-type: none"> • Kingdom of Württemberg (1879–1896) • Stateless (1896–1901) • Switzerland (1901–1955) • Austria–Hungary (1911–1912) • German Empire (1914–1918) • Weimar Republic (1919–1933) • United States (1940–1955)
Fields	Physics
Institutions	<ul style="list-style-type: none"> • Swiss Patent Office (Bern) • University of Zurich • Charles University in Prague

	<ul style="list-style-type: none"> • ETH Zurich • Caltech • Prussian Academy of Sciences • Kaiser Wilhelm Institute • University of Leiden • Institute for Advanced Study
<u>Alma mater</u>	<ul style="list-style-type: none"> • ETH Zurich • University of Zurich
<u>Thesis</u>	<i>Folgerungen aus den Capillaritätserscheinungen</i> (1901)
<u>Doctoral advisor</u>	Alfred Kleiner
Other academic advisors	Heinrich Friedrich Weber
Notable students	<ul style="list-style-type: none"> • Ernst G. Straus • Nathan Rosen • Leó Szilárd • Raziuddin Siddiqui^[1]
Known for	<ul style="list-style-type: none"> • General relativity and special relativity • Photoelectric effect • Mass-energy equivalence • Theory of Brownian Motion • Einstein field equations • Bose–Einstein statistics • Bose-Einstein condensate • Bose–Einstein correlations • Unified Field Theory • EPR paradox
Notable awards	<ul style="list-style-type: none"> • Nobel Prize in Physics (1921) • Matteucci Medal (1921) • Copley Medal (1925) • Max Planck Medal (1929) • Time Person of the

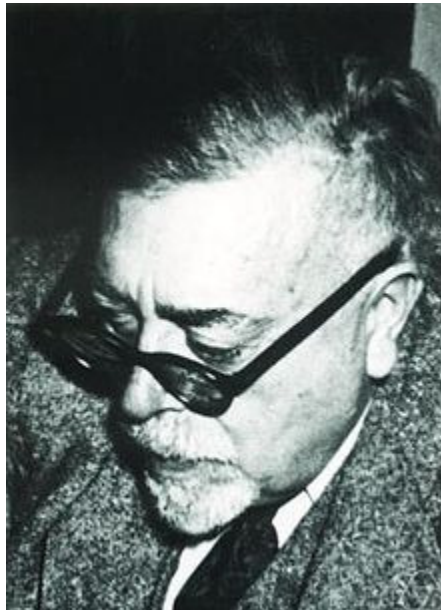
[Century](#) (1999)

Spouse [Mileva Marić](#) (1903–1919)
[Elsa Löwenthal](#) (1919–1936)

Children ["Lieserl"](#) (1902–1903?)
[Hans Albert](#) (1904–1973)
[Eduard "Tete"](#) (1910–1965)

Signature

Norbert Wiener



Born	November 26, 1894 Columbia, Missouri, U.S.
Died	March 18, 1964 (aged 69) Stockholm, Sweden
Nationality	American
Fields	Mathematics Cybernetics
Institutions	Massachusetts Institute of Technology
<u>Alma mater</u>	Tufts College BA 1909 Harvard University PhD 1912
<u>Doctoral advisor</u>	Karl Schmidt Josiah Royce Amar Bose
Doctoral students	Colin Cherry Shikao Ikehara Norman Levinson [hide]
Known for	Cybernetics Brownian motion abstract Wiener space Wiener amalgam space classical Wiener space Evolutionary informatics

[Generalized Wiener process](#)
[Information revolution](#)
[Philosophy of information](#)
[Wiener algebra](#)
[Wiener chaos expansion](#)
[Wiener deconvolution](#)
[Wiener entropy](#)
[Wiener equation](#)
[Wiener filter](#)
[Wiener process](#)
[Wiener sausage](#)
[Wiener series](#)
[Wiener–Hopf method](#)
[Wiener–Ikehara theorem](#)
[Wiener–Khinchin theorem](#)
[Paley–Wiener integral](#)
[Paley–Wiener theorem](#)
[Wiener–Wintner theorem](#)
[Wiener's tauberian theorem](#)

Andrey Kolmogorov



Born	25 April 1903 Tambov, Russian Empire
Died	20 October 1987 (aged 84) Moscow, Soviet Union
Citizenship	Soviet Union
Nationality	Soviet Union
Fields	Mathematics
Institutions	Moscow State University
<u>Alma mater</u>	Moscow State University
<u>Doctoral advisor</u>	Nikolai Luzin
	Vladimir Arnold
	Sergei Artemov
	Grigory Barenblatt
	Roland Dobrushin
	Eugene B. Dynkin
	Israil Gelfand
Doctoral students	Boris V. Gnedenko
	Leonid Levin
	Per Martin-Löf
	Sergey Nikolsky
	Yuri Prokhorov
	Yakov G. Sinai
	Albert N. Shiryaev

	Anatoli G. Vitushkin Andrei Monin Alexander Obukhov Akiva Yaglom
Known for	Probability theory , topology , intuitionistic logic , turbulence , classical mechanics , mathematical analysis
Notable awards	Stalin Prize (1941) Balzan prize (1962) Lenin Prize (1965) Wolf prize (1980) Lobachevsky Prize (1986) Fellow of the Royal Society ^[1]
Spouse	Anna Dmitrievna Egorova (1942-1987)

Kiyoshi Itō



Kiyoshi Itō at Cornell University, 1970

Born	September 7, 1915 Hokusei, Mie, Honshū, Japan
Died	November 10, 2008 (aged 93) ^[1] Kyōto, Japan
Fields	Mathematics
Institutions	University of Kyoto
<u>Alma mater</u>	University of Tokyo
Doctoral students	Masatoshi Fukushima Murali Rao Shinzo Watanabe
Known for	Itō calculus
Notable awards	Wolf Prize in Mathematics (1987), Gauss Prize (2006)

Paul A. Samuelson

Neo-Keynesian economics



Born	May 15, 1915 Gary, Indiana, USA
Died	December 13, 2009 (aged 94) Belmont, Massachusetts, USA
Nationality	United States
Institution	Massachusetts Institute of Technology
Field	Macroeconomics
Alma mater	Harvard University , (Ph.D.) University of Chicago , (B.A.)
Influences	Keynes • Schumpeter • Leontief • Haberler • Hansen • Wilson • Wicksell • Lindahl
Influenced	Fischer • Klein • Merton • Solow • Phelps • Krugman • Swamy
Contributions	Neoclassical synthesis Mathematical economics Economic methodology Revealed preference International trade Economic growth Public goods
Awards	John Bates Clark Medal (1947) Nobel Memorial Prize in

Chicago School of Economics

Born	July 1, 1941 (age 72) Timmins, Ontario, Canada
Nationality	Canada, United States
Field	Financial economics
Alma mater	University of Chicago, McMaster University
Influences	George Stigler, Milton Friedman, Merton Miller
Contributions	Black–Scholes model
Awards	Nobel Memorial Prize in Economics (1997)

Robert C. Merton



Born	Robert C. Merton July 31, 1944 (age 69) New York City, New York, USA
Nationality	American
Fields	Finance , Economics
Institutions	Harvard University Massachusetts Institute of Technology
<u>Alma mater</u>	Columbia University California Institute of Technology Massachusetts Institute of Technology
<u>Doctoral advisor</u>	Paul Samuelson
Known for	Black–Scholes model ICAPM Merton's portfolio problem Merton Model Jarrow-Turnbull model Long-Term Capital Management
Notable awards	Nobel Memorial Prize in Economic Sciences (1997)

Mark Kac



Born	August 3, 1914 Krzemieniec, Russian Empire (present-day Ukraine)
Died	October 26, 1984 (aged 70) California, USA
Residence	USA
Citizenship	Poland, USA
Nationality	Polish
Fields	Mathematics
Institutions	Cornell University Rockefeller University University of Southern California
<u>Alma mater</u>	Lwów University
<u>Doctoral advisor</u>	Hugo Steinhaus Harry Kesten William LeVeque
Doctoral students	William Newcomb Lonnie Cross Murray Rosenblatt Daniel Stroock
Known for	Feynman–Kac formula Erdős–Kac theorem
Notable awards	Birkhoff Prize (1978) Richard Feynman



Born	Richard Phillips Feynman May 11, 1918 Manhattan , New York
Died	February 15, 1988 (aged 69) Los Angeles , California
Residence	United States
Nationality	American
Fields	Theoretical physics
Institutions	Cornell University California Institute of Technology
<u>Alma mater</u>	Massachusetts Institute of Technology (B.S.), Princeton University (Ph.D.)
<u>Thesis</u>	<i>The Principle of Least Action in Quantum Mechanics</i> (1981)
<u>Doctoral advisor</u>	John Archibald Wheeler ^[1]
Other academic advisors	Manuel Sandoval Vallarta
Doctoral students	F. L. Vernon, Jr. ^[1] Willard H. Wells ^[1] Al Hibbs ^[1] George Zweig ^[1] Giovanni Rossi Lomanitz ^[1] Thomas Curtright ^[1]
Other notable students	Douglas D. Osheroff Robert Barro W. Daniel Hillis

Known for	[show]
Influences	Paul Dirac
Influenced	Freeman Dyson
Notable awards	Albert Einstein Award (1954)
	E. O. Lawrence Award (1962)
	Nobel Prize in Physics (1965)
	Oersted Medal (1972)
	National Medal of Science (1979)
Spouse	Arline Greenbaum (m. 1941–45)(deceased)
	Mary Louise Bell (m. 1952–54)
	Gweneth Howarth (m. 1960–88) (his death)
Children	Carl Feynman ^{[<i>citation needed</i>]} [2]

Signature