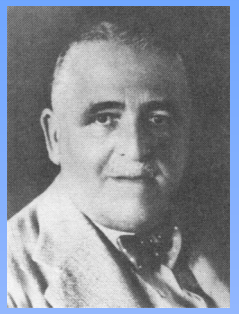
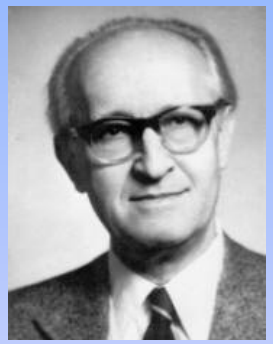
Mathematical tradition



Frigyes Riesz
(1880-1956)
functional analysis
professor of Eötvös University
(1946-1956)

Lipót Fejér
(1880-1959)
Fourier-analysis
professor of Eötvös University
(1911-1959)



Pál Turán
(1910-1976)
number theory
professor of Eötvös University
(1949-1976)

Endre Szemerédi
(1940-)
combinatorics
alumnus of Eötvös University
winner of Abel prize (2012)

László Lovász
(1948-)
combinatorics
professor of Eötvös University
(since 1971 till now,
with some breaks)
winner of Wolf prize (1999),
Kyoto prize (2010)

Miklós Laczkovich
(1948-)
analysis
professor of Eötvös University
(1971-)
winner of Ostrowski prize (1993)

Research in Mathematics

Research in many areas of pure mathematics:

- algebra (*group theory, ring theory, general algebraic systems and algorithms*)
- analysis (*real and complex analysis, dynamical systems, functional analysis*)
- combinatorics (*graph theory, complexity theory, computer science, finite geometries*)
- differential equations (*ordinary and partial differential equations, numerical methods*)
- geometry (*algebraic, combinatorial, discrete, differential geometry)*
- number theory (*additive, algebraic, combinatorial number theory*)
- operations research (*combinatorial optimization, linear and nonlinear optimization, matroid theory, stochastic programming*)
- probability theory and statistics (*stochastic modelling, applied statistics, financial mathematics*)

Research groups and projects in applied mathematics:

- combinatorial optimization (EGRES)
- criptography (ELTECRYPT)
- efficient modelling and optimization in networks (LEMON)
- protein information technology (PIT)
- fuel cell investigations (FUELCELL)
- large networks reserach group (LNRG)

Studies in Mathematics

3 full programs: BSc, MSc and PhD in matematics and applied mathematics

BSc in mathematics:
- 3 year program, covering basic areas of mathematics (*in Hungarian)*

MSc in mathematics:
- 2 year program, specializing in many areas of pure and applied mathematics
- offered both in *Hungarian* and in *English*
- wide selection of topics (over 100 different courses)
- thesis at the end of the program

PhD in mathematics:
- 3 year program in pure and applied mathematics
- internationally renowned experts
- courses of foundational character and research seminars in current topics
- offered both in *Hungarian* and in *English*