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In Memoriam

**Rumen Maleev (1943–2019)**



Professor Rumen Maleev passed away on December 16, 2019. With more than forty years service in Sofia University, he will be remembered by his colleagues, friends and students as one of the most distinguished Professors in the Faculty of Mathematics and Informatics. We present here a short CV of Rumen Maleev, followed by a paper (in Bulgarian) of Academician Stanimir Troyanski, who shares some memories about his long-term friendship and collaboration with Rumen Maleev.

# CURRICULUM VITAE

## of

### Roumen Maleev

**Date and place of birth:**

August 17, 1943, Samokov, Bulgaria

**Spoken foreign languages:**

English, Russian, Romanian, German, French

**Education, Degrees:**

- Ms.C., University of Bucharest, Bucharest, Romania, 1967
- Ph.D., Sofia University, Sofia, Bulgaria, 1975
- D.Sc., Sofia University, Sofia, Bulgaria, 1996

**Specializations:**

- Moscow State University, Moscow, Russia, Academic year 1971/72
- Warsaw University, Warsaw, Poland, February–April, 1982

**Professional experience:**

- Researcher, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, Sofia, Bulgaria, 1967–1969
- Assistant Professor, Faculty of Mathematics and Informatics, Sofia University, Sofia, Bulgaria, 1970–1983
- Associate Professor, Faculty of Mathematics and Informatics, Sofia University, Sofia, Bulgaria, 1983–2006
- Full Professor, Faculty of Mathematics and Informatics, Sofia University, Sofia, Bulgaria, 2006–2011

**Visiting positions:**

- South Florida University, Tampa, Florida, USA, Spring semester 1991
- Athens University, Athens, Greece May–June, 1997

**Administrative positions:**

- Deputy Dean of the Faculty of Mathematics and Informatics, Sofia University, Sofia, Bulgaria, 1989–1995

- Head of the Department of Mathematical Analysis of the Faculty of Mathematics and Informatics, Sofia University, Sofia, Bulgaria, 1998–2000
- Member of the Specialized Scientific Council on Mathematics and Mechanics, 1995–2004
- Vice President of the Specialized Scientific Council on Mathematics and Mechanics, 1998–2004
- Secretary of the Scientific Commission for degrees and positions in Mathematics and Mechanics, 2003–2006
- Vice President of the Scientific Commission for degrees and positions in Mathematics and Mechanics, 2006–2009
- Member of the Scientific Commission on Mathematics and Mechanics of the National Scientific Fund, 2010–2012
- Elections expert in missions of Organization for Security and Cooperation in Europe(OSCE), 1997–2012

**Research interests:**

Geometry of Banach spaces, Approximation theory, Numerical analysis

**List of selected publications**

1. R. Maleev, An iterative method for equations with monotonic operators, *USSR Comput. Math. Math. Phys.*, **13** (1973), 280–286.
2. R. Maleev, S. Troyanski, The moduli of convexity and smoothness of the spaces  $L_{p,q}$ , *Annuaire Univ. Sofia Math.*, **66** (1974), 331–339, (Russian).
3. R. Maleev, S. Troyanski, Unconditionally convergent and absolutely divergent series in Orlicz spaces, *C. R. Acad. Bulg. Sci.*, **27** (1974), 1029–1032, (Russian).
4. R. Maleev, S. Troyanski, On the moduli of convexity and smoothness in Orlicz spaces, *Studia Math.*, **54** (1975), 131–141.
5. R. Maleev, On conditionally convergent series in Orlicz spaces  $L_M$ , *Serdica*, **1** (1975), 178–182, (Russian).
6. R. Maleev, S. Markov, D. Vandev, Least square approximations using Hausdorff metric, in: *Mathematics and Education in Mathematics, 5-th Spring Conf. Bulg. Math. Union, Gabrovo, April 1975*, Publ. House of BAS, Sofia, 1990.
7. R. Maleev, On conditionally convergent series in Banach lattice, *C. R. Acad. Bulg. Sci.*, **32** (1979), 1015–1018.

8. A. Andreev, R. Maleev, Error estimation of the finite element method for one dimensional finite problems, *Serdica*, **6** (1980), 278–283.
9. R. Maleev, S. Troyanski, Order moduli of convexity and smoothness, *Funct. Anal. Appl.*, **17** (1983), 231–233.
10. R. Maleev, S. Troyanski, On cotypes of Banach lattices, in: *Constructive Function Theory'81*, BAS, Sofia 1983, 429–441.
11. R. Maleev, S. Troyanski, Smooth functions in Orlicz spaces, *Contemporary Math.*, **85** (1989), 355–370.
12. R. Maleev, Korovkin Theorem in rearrangement invariant function spaces, in: *Constructive Function Theory'84*, BAS, Sofia 1984, 578–582.
13. R. Maleev, S. Troyanski, Smooth norms in Orlicz spaces, *Canad. Math. Bull.*, **34** (1991), 74–82.
14. R. Maleev, Norms of best smoothness in Orlicz spaces, *Zeitschrift Anal. Anwendungen*, **12** (1993), 123–135.
15. R. Maleev, Higher order uniformly Gâteaux differentiable norms in Orlicz spaces, *Rocky Mount. Math. J.*, **25** (1995), 1117–1136.
16. R. Gonzalo, R. Maleev, Smooth functions in Orlicz function spaces, *Arch. Math.*, **69** (1997), 136–145.
17. R. Maleev, G. Nedev, B. Zlatanov, Gâteaux differentiability of bump functions in Banach spaces, *J. Math. Anal. Appl.*, **240** (1999), 311–323.
18. R. Maleev, B. Zlatanov, Cotype of weighted Orlicz sequence spaces, *C. R. Bulg. Acad. Sci.*, **53**, no. 3 (2000), 9–12.
19. R. Maleev, B. Zlatanov, Smoothness in Musielak–Orlicz sequence spaces, *C. R. Bulg. Acad. Sci.*, **55**, no. 6 (2002), 11–16.
20. R. Maleev, B. Zlatanov, Gâteaux differentiable norms in Musielak–Orlicz spaces, *Math. Balk.*, **20** (2006), 299–313.

**Textbooks:**

1. Bl. Sendov, R. Maleev, S. Markov, *Mathematics for Biologists*, Sofia, 1981, Nauka i Izkustvo, (Bulgarian).
2. Bl. Sendov, R. Maleev, S. Markov, S. Tashev, *Mathematics for Biologists*, Sofia, 1991, Publ. House of Sofia University, (Bulgarian).
3. P. Djakov, R. Levy, R. Maleev, S. Troyanski, *Differential and Integral Calculus. Functions of One Variable*, Demetra, Sofia, 2004, (Bulgarian).