



In Memoriam: Prof. Roumen P. Maleev August 17, 1943 - December 16, 2019

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Prof. DSci. Roumen P. Maleev
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Roumen Petrov Maleev was born on August 17, 1943 in the city of Samokov, Bulgaria. He graduated from the Department of Mathematics at Bucurest University in 1967. In 1970 he was appointed as Assistant in the Faculty of Mathematics and Mechanics of Sofia University “St. Kl. Ohridski”, where he became Associate Professor in 1983 and Full Professor in 2006. R. Maleev specialized in Moscow State University in the scholarly year 1971/72 and in Warsaw University in 1982 (February–April). He defended his PhD in Sofia University “St. Kl. Ohridski” in

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1975 and his DSci dissertation in 1996 (also in Sofia University “St. Kl. Ohridski”). During 1989-1995 he served as Deputy Dean of the Faculty of Mathematics and Informatics of at Sofia University “St. Kl. Ohridski”. He has been Head of the Department of Mathematical Analysis of the Faculty (1998–2000) and member of the Specialized Scientific Council on Mathematics and Mechanics (1995–2004).

Maleev delivered lecture courses as Visiting Professor in South Florida University in the summer term of 1991 and in the Athens University in May-June 1997. He also presented numerous lectures at various international conferences worldwide.

The scientific interests of Prof. Maleev were in the fields of Geometry of Banach spaces, Functional Spaces and Operators, Variational Analysis, Mathematical Analysis, Education in Mathematics and Informatics, Numerical Analysis.

A list of Selected Publications by Prof. DSci. Roumen Maleev

1 . R. Maleev (with S. Troyanski) , The Moduli of Convexity and Smoothness of the Spaces L_{pq} , *Annuare Univ. Sofia Math.*, 66 (1974), 331-339 (in Russian).

2. R. Maleev (with S. Troyanski), Unconditionally Convergent and Absolutely Divergent Series in Orlicz Spaces, *C. R. Acad. Bulg. Sci.*, 27 (1974), 1029—1032 (in Russian).

3. R. Maleev, S. Troyanski, On the moduli of convexity and smoothness in Orlicz spaces, *Studia Math.*, 54, (1975), 131–141.

4. R. Maleev, On conditionally convergent series in Orlicz Spaces *LM.*, *Serdica* 1 (1975), 178—182 (in Russian).

5. R. Maleev, S. Markov, D. Vandev , Least Square Approximations using Hausdorff metric. *Mathematics and Education in Mathematics*, Publ. House of BAS, Sofia, 1990. (presented at the 5-th Spring Conf. of Bulg. Math. Union, Gabrovo, April 1975).

6. R. Maleev (with A. Andreev) , Error estimation of the finite element method for one-dimentional finite problems, *Srdica* 6 (1980), 278—283.

7. R. Maleev, S. Troyanski, Order Moduli of Convexity and Smoothness, *Funct. Anal. Appl.* 17 (1983), 231–233.

8. R. Maleev, S. Troyanski, On Cotypes of Banach Lattices, Con-

structive Function Theory'81, BAS, Sofia (1983), 429–441.

9. R. Maleev, S. Troyanski, Smooth Functions in Orlicz Spaces, Contemporary Math. 85, (1989), 355–370.

10. R. Maleev, Korovkin Theorem in Rearrangement Invariant Function Spaces. Constructive Function Theory'84, BAS, Sofia, 1984, 578–582.

11. R. Maleev, S. Troyanski, Smooth Norms in Orlicz Spaces. Canad. Math. Bull. 34(1), (1991), 74–82.

12. R. Maleev, Norms of Best Smoothness in Orlicz Spaces, Zeitschrift für Analysis und ihre Anwendungen 12 (1993), 123–135.

13. R. Maleev, Higher Order Uniformly Gateaux Differentiable Norms in Orlicz Spaces. Rocky Mount. Math. J. 25 (3) (1995), 1117–1136.

14. R. Maleev (with R. Gonzalo), Smooth functions in Orlicz Function Spaces, Arch. Math. 69(1997), 136–145.

15. R. Maleev, G. Nedev, B. Zlatanov. Gateaux Differentiability of Bump Functions in Banach Spaces. J. of Math. Anal. and Appl., 240 (1999), 311–323.

16. R. Maleev, B. Zlatanov, Cotype of Weighted Orlicz Sequence Spaces, Comptes rendus de l'Académie bulgare des Sciences 53(3), (2000), 9–12.

17. R. Maleev, B. Zlatanov, Smoothness in Musielak–Orlicz Sequence Spaces, Comptes rendus de l'Académie bulgare des Sciences 55(6), (2002) 11–16.

18. R. Maleev, B. Zlatanov., Gateaux Differentiable Norms in Musielak–Orlicz Spaces, Mathematica Balkanica 20, (2006) 299–313.

19. B. Sendov, R. Maleev, S. Markov, Mathematics for Biologists, Sofia, 1981, Nauka i Izkustvo (in Bulgarian).

20. B. Sendov, R. Maleev, S. Markov, S. Tashev, Mathematics for Biologists, Sofia, 1991, Publ. House of Sofia University (in Bulgarian).

Roumen Maleev also authored a number of non-mathematical publications related to his expertise in the field of democratic elections.