

Lectures presented at Winter school. Section of analysis

*Acta Universitatis Carolinae. Mathematica et Physica*, Vol. 40 (1999), No. 2, 23--24

Persistent URL: <http://dml.cz/dmlcz/702053>

## Terms of use:

© Univerzita Karlova v Praze, 1999

Institute of Mathematics of the Academy of Sciences of the Czech Republic provides access to digitized documents strictly for personal use. Each copy of any part of this document must contain these *Terms of use*.



This paper has been digitized, optimized for electronic delivery and stamped with digital signature within the project *DML-CZ: The Czech Digital Mathematics Library* <http://project.dml.cz>

## LECTURES PRESENTED AT WINTER SCHOOL

### SECTION OF ANALYSIS

#### Sunday, Jan. 24

9 <sup>00</sup> – 10 <sup>00</sup>	G. Debs	Compact covering maps between Borel spaces I
10 <sup>30</sup> – 11 <sup>00</sup>	W. Lusky	Fourier analysis of operators on Hilbert spaces of holomorphic functions
11 <sup>10</sup> – 11 <sup>45</sup>	V. Zizler	Norms that locally depend on countably many coordinates
16 <sup>00</sup> – 16 <sup>15</sup>	J. Rychtář	The connections between WCG spaces and spaces with uniformly Gâteaux smooth norm
16 <sup>20</sup> – 17 <sup>10</sup>	O. Kalenda	On structure of Valdivia compact spaces
17 <sup>25</sup> – 17 <sup>55</sup>	J. Tišer	Vitali covering theorem in Hilbert space
18 <sup>05</sup> – 18 <sup>45</sup>	S. Cobzas	Existence and non existence results in optimization problem

#### Monday, Jan. 25

9 <sup>00</sup> – 9 <sup>50</sup>	R. Phelps	The Bishop-Phelps theorem in the complex case I
10 <sup>20</sup> – 11 <sup>05</sup>	J. Pelant	Weak covering properties of the weak topologies
11 <sup>15</sup> – 11 <sup>55</sup>	M. Czörnyei	On Whitney pairs
16 <sup>45</sup> – 10 <sup>10</sup>	M. Zelený	Constructions of the non- $\sigma$ -porous sets
17 <sup>20</sup> – 17 <sup>50</sup>	M. Chlebík	On the gap between deterministic and stochastic
18 <sup>00</sup> – 18 <sup>20</sup>	K. Baron	Random-valued functions and functional equations
18 <sup>30</sup> – 18 <sup>45</sup>	J. Morawiec	Functions with big graphs and functional equations
20 <sup>00</sup>		Problem session

#### Tuesday, Jan. 26

9 <sup>00</sup> – 9 <sup>50</sup>	J. Saint-Raymond	Compact covering maps between Borel spaces II
10 <sup>20</sup> – 10 <sup>40</sup>	M. Burnecki	Two characterizations of $L^p$ spaces
10 <sup>45</sup> – 11 <sup>15</sup>	C. Ambrozie	Multidimensional moment problems
11 <sup>25</sup> – 11 <sup>55</sup>	V. Müller	The Ramsey theorem in operator theory
16 <sup>15</sup> – 16 <sup>35</sup>	M. Málek	Distributional chaos for maps on the circle
16 <sup>45</sup> – 17 <sup>05</sup>	R. Hric	The structure of the space $C(I, I)$ from the point of view of Sharkovsky ordering
17 <sup>15</sup> – 17 <sup>45</sup>	M. Babilonová	Distributional chaos for triangular maps
17 <sup>55</sup> – 18 <sup>10</sup>	W. Słepak	On multivalued generalization of some functional inequality
18 <sup>15</sup> – 18 <sup>45</sup>	P. Maličský	On Herglotz theorem for partially ordered vector spaces

**Wednesday, Jan. 27**10<sup>00</sup> – 10<sup>25</sup> T. Zgraja

Separation theorems for functions which are convex with respect to some mens

10<sup>35</sup> – 10<sup>55</sup> F. S. de Blasi

A Baire category approach to existence problems

11<sup>05</sup> – 11<sup>20</sup> R. GirgensohnSchauder bases of  $C[-1, 1]$  consisting of orthogonal polynomials11<sup>30</sup> – 11<sup>55</sup> E. Riss

Positivity principle for equivalent norms

**Thursday, Jan. 28**9<sup>00</sup> – 9<sup>50</sup> J. Malý

Absolutely continuous functions of several variables

10<sup>20</sup> – 10<sup>50</sup> S. Hencľ

Boundary behaviour of absolutely continuous functions

11<sup>05</sup> – 11<sup>45</sup> J. Jelínek

Intrinsic definition of the Colombean generalized functions

16<sup>40</sup> – 17<sup>25</sup> M. Fabian

Uniform Gâteaux smoothness and density

17<sup>45</sup> – 18<sup>10</sup> L. Zajíček

A note on Aronszajn's differentiability theorem

18<sup>25</sup> – 18<sup>45</sup> A. Plichko

On norm attaining functionals and conjugacy

18<sup>50</sup> – 19<sup>05</sup> Ch. Stegall

Fréchet derivatives and operators

**Friday, Jan. 29**9<sup>00</sup> – 9<sup>40</sup> P. Holický

Arsenin's theorem and Borel bimeasurability

10<sup>10</sup> – 10<sup>30</sup> A. Ostrovsky

Stable maps of Borel sets

10<sup>35</sup> – 10<sup>50</sup> V. Komínek

A note on uniformization theorem

11<sup>05</sup> – 11<sup>35</sup> Z. Lipecki

Sequences of generous quasi-measures on Boolean algebras

17<sup>00</sup> – 17<sup>50</sup> Ch. Stegall

Martingales in Banach spaces

18<sup>05</sup> – 18<sup>55</sup> R. Phelps

The Bishop-Phelps theorem in complex case II

**SECTION OF TOPOLOGY****Sunday, Jan. 31**9<sup>15</sup> – 10<sup>10</sup> P. Vojtáš

Divergent series

11<sup>00</sup> – 11<sup>50</sup> W. Kulpa

Generalization of Schauder Theorem

16<sup>00</sup> – 16<sup>50</sup> B. Velickovic

Infinite dimensional Ramsey theory I.

17<sup>10</sup> – 18<sup>00</sup> B. Balcar

Convergences in Boolean algebras

**Monday, Feb. 1**9<sup>15</sup> – 10<sup>15</sup> T. Jech

PCF I.

10<sup>45</sup> – 11<sup>15</sup> A. Blaszczyk

Extesion of Vladimirov lemma (presented by A. Kucharski)

11<sup>30</sup> – 12<sup>15</sup> J. Kraszewski

Properties of ideals on generalized Cantor spaces