

Literatura

- [1] S. AFONSO, E. M. BONOTTO, M. FEDERSON AND Š. SCHWABIK. Discontinuous local semiflows for Kurzweil equations leading to LaSalle's invariance principle for non-autonomous systems with impulses. *J. Differential Equations* **250** (2011) 2969–3001.
- [2] M. BROKATE, P. KREJČÍ. Duality in the space of regulated functions and the play operator. *Mathematische Zeitschrift* **245** (2003) 667–688.
- [3] P. DRÁBEK, A. KUFNER. *Úvod do funkcionální analýzy*. (Učební text, ZČU Plzeň, 1993)
[http://www.kma.zcu.cz/0000_DATA/eBOOKs/Drabek/UFA.pdf].
- [4] M. DIMIAN, P. KREJČÍ, H. LAMBA, S. MELNIK, D. RACHINSKII. Explicit solution of a market model with interacting agents: Drawdowns, drawups, financial bubbles, and stochastic resonance. In preparation.
- [5] N. DUNFORD, J.T. SCHWARTZ. *Linear Operators I, II*. Interscience Publishers, New York & London, 1958 a 1963.
- [6] D. FRAŇKOVÁ. Regulated functions. *Mathematica Bohemica* **116** (1991) 20–59.
- [7] Z. HALAS, G. MONTEIRO AND M. TVRDÝ. Emphatic convergence and sequential solutions of generalized linear differential equations. *Mem. Differential Equations Math. Phys.* **54** (2011), 27–49.
- [8] I. HALPERIN. *Introduction to the Theory of Distributions*. University of Toronto Press, Toronto, 1952.
- [9] R. HENSTOCK. *Lectures on the Theory of Integration*. World Scientific, Singapore, 1988.
- [10] T. H. HILDEBRANDT. On integrals related to and extensions of the Lebesgue integrals. *Bull. Amer. Math. Soc.* (2) **24** (1917) 113–144, (1918) 177–202.
- [11] T. H. HILDEBRANDT. *Theory of Integration*. Academic Press, New York & London, 1963.

- [12] CH. S. HÖNIG. *Volterra Stieltjes-Integral Equations*. North Holland & American Elsevier, Mathematics Studies 16, Amsterdam & New York, 1975.
- [13] CH. S. HÖNIG Volterra-Stieltjes integral equations. In: *Functional Differential Equations and Bifurcation, Proceedings of the Saõ Carlos Conference 1979* (Lecture Notes in Mathematics 799, Springer-Verlag, Berlin, 1980), pp. 173–216.
- [14] V. JARNÍK. *Diferenciální počet II*. Academia, Praha, 1976.
[<http://dml.cz/handle/10338.dmlcz/402004>].
- [15] V. JARNÍK. *Integrální počet II*. Academia, Praha, 1976.
[<http://dml.cz/handle/10338.dmlcz/402027>].
- [16] A.N. KOLMOGOROV, S.V. FOMIN. *Základy teorie funkcí a funkcionální analýzy*. SNTL, Praha, 1975.
- [17] J. KRÁL. *Teorie potenciálu*. Státní pedagogické nakladatelství, Praha, 1965.
- [18] P. KREJČÍ. The Kurzweil integral with exclusion of negligible sets. *Mathematica Bohemica* **128** (2003) 277–292.
- [19] P. KREJČÍ. The Kurzweil integral and hysteresis. In: *Proceedings of the International Workshop on Multi-Rate Processes and Hysteresis* (Cork, 3.4.2006–8.4.2006, eds: M. Mortell, R. O’Malley, A. Pokrovskii, V. Sobolev). *Journal of Physics: Conference Series* **55**, (2006) 144–154.
- [20] P. KREJČÍ, J KURZWEIL. A nonexistence result for the Kurzweil integral. *Mathematica Bohemica* **127** (2002) 571–580.
- [21] P. KREJČÍ, PH. LAURENÇOT. Generalized variational inequalities. *Journal of Convex Analysis* **9** (2002), 159–183.
- [22] P. KREJČÍ, M. LIERO. Rate independent Kurzweil processes. *Applications of Mathematics* **54** (2009) 117–145.
- [23] J. KURZWEIL. *Obyčejné diferenciální rovnice. (Úvod do teorie obyčejných diferenciálních rovnic v reálném oboru.)* SNTL, Praha, 1978. *Czechoslovak Mathematical Journal* **8(3)** (1958), 360–387.
- [24] J. KURZWEIL. *Nichtabsolut konvergente Integrale*. Teubner-Verlag, Leipzig, 1980.

- [25] J. KURZWEIL. *Henstock-Kurzweil Integration: Its Relation to Topological Vector Spaces*. World Scientific, Singapore, 2000.
- [26] J. KURZWEIL. *Integration Between the Lebesgue Integral and the Henstock-Kurzweil Integral: Its Relation to Local Convex Vector Spaces*. World Scientific, Singapore, 2002.
- [27] J. KURZWEIL. Generalized ordinary differential equations (Not Absolutely Continuous Solutions). Series in Real Analysis–Vol. 11, World Scientific, Singapore, 2012.
- [28] J. KURZWEIL. Generalized ordinary differential equation and continuous dependence on a parameter. *Czechoslovak Mathematical Journal* **7(82)** (1957), 418–449.
- [29] J. KURZWEIL. Generalized ordinary differential equations. *Czechoslovak Mathematical Journal* **8(83)** (1958) 360–387.
- [30] H. LEBESGUE. Sur l'intégrale de Stieltjes et sur les opérations fonctionnelles linéaires. *Comptes Rendus* **150** (1910), 86–88.
- [31] J. LUKEŠ. *Teorie míry a integrálu*. Státní ped. nakladatelství, Praha, 1972.
- [32] J. LUKEŠ. *Úvod do funkcionální analýzy*. Karolinum, Univerzita Karlova v Praze, 2011.
- [33] J. LUKEŠ, J. MALÝ. *Measure and Integral*. matfyzpress, Praha, 1995
[http://www.mff.cuni.cz/to.en/fakulta/mfp/download/books/lukes-maly-measure_and_integral.pdf].
- [34] R. M. MCLEOD. *The generalized Riemann integral*. Carus Monograph, No.2, Mathematical Association of America, Washington, 1980.
- [35] J. MAŘÍK. Základy teorie integrálu v Euklidových prostorech I–III. *Časopis pro pěstování matematiky* **77** (1952) (1) 1–51, (2) 125–145, (3) 267–301.
- [36] J. MAWHIN. L'eternal retour des sommes de Riemann-Stieltjes dans l'évolution du calcul intégral. *Bulletin de la Soc. Royale des Sciences de Liège* **70** (2001) (4-5-6) 345–364.

- [37] G. MONTEIRO, M. TVRDÝ. On Kurzweil-Stieltjes integral in Banach space, *Mathematica Bohemica* **137** (2012), 365–381.
- [38] G. MONTEIRO, M. TVRDÝ. Generalized linear differential equations in a Banach space: Continuous dependence on a parameter. *Discrete and Continuous Dynamical Systems* **33** (2013) 283–303.
- [39] O. PERRON. *Die Lehre von den Kettenbrüchen*. Teubner, Leipzig, 1913.
- [40] F. RIESZ. Sur les opérations fonctionnelles linéaires. *Comptes Rendus Acad. Sci. Paris* **149** (1909), 974–977.
- [41] W. RUDIN. *Functional Analysis*. McGraw-Hill Series in Higher Mathematics, New York, 1973.
- [42] S. SAKS. *Théorie de l'Intégrale*. Monografie Matematyczne, Warszawa, Lwów, 1933.
Anglický překlad: *Theory of the Integral*. Monografie Matematyczne, Warszawa, Lwów, 1937.
- [43] E. SCHECHTER. *Handbook of Analysis and its Foundations*. Academic Press, San Diego, 1997.
- [44] M. SCHECHTER. *Principles of Functional Analysis*. Academic Press, New York & London, 1973.
- [45] Š. SCHWABIK. *Generalized Ordinary Differential Equations*. Series in Real Analysis—Vol. 5, World Scientific, Singapore, 1992.
- [46] Š. SCHWABIK. *Integrace v \mathbb{R} (Kurzweilova teorie)*. Karolinum, Univerzita Karlova v Praze, 1999.
- [47] Š. SCHWABIK. Verallgemeinerte lineare Differentialgleichungssysteme. *Časopis pro pěstování matematiky* **96** (1971) 183–211.
- [48] Š. SCHWABIK. On the relation between Young's and Kurzweil's concept of Stieltjes integral. *Časopis pro pěstování matematiky* **98** (1973) 237–251.
- [49] Š. SCHWABIK. On a modified sum integral of Stieltjes type. *Časopis pro pěstování matematiky* **98** (1973) 274–277.

- [50] Š. SCHWABIK. Abstract Perron-Stieltjes integral. *Mathematica Bohemica* **121** (1996), 425–447.
- [51] Š. SCHWABIK. Linear Stieltjes integral equations in Banach spaces. *Mathematica Bohemica* **124** (1999), 433–457.
- [52] Š. SCHWABIK. Linear Stieltjes integral equations in Banach spaces II: operator valued solutions. *Mathematica Bohemica* **125** 2000, 431–454.
- [53] Š. SCHWABIK. A note on integration by parts for abstract Perron-Stieltjes integrals, *Mathematica Bohemica* **126** 2001, 613–629.
- [54] Š. SCHWABIK, P. ŠARMANOVÁ. *Malý průvodce historií integrálu*. Prometheus, Praha, 1996 [http://dml.cz/handle/10338.dmlcz/400862].
- [55] Š. SCHWABIK, M. TVRDÝ, O. VEJVODA. *Differential and Integral Equations: Boundary Value Problems and Adjoint*. Academia and Reidel. Praha and Dordrecht, 1979 [http://dml.cz/handle/10338.dmlcz/400391].
- [56] A. SLAVÍK. Dynamic equations on time scales and generalized ordinary differential equations. *J. Math. Anal. Appl.* **385** (2011), 534–550.
- [57] T. J. STIELTJES. *Recherches sur les fractions continues*. Ann. Fac. Sci. Toulouse Sci. Math. Sci. Phys. **8** (1894), J1–122, **9** (1895) A1–47. Přetištěno v *Oeuvres II* (P. Noordhoff, Groningen, 1918), 402–566.
Anglický překlad: *Investigations on continued fractions*. In: T. J. Stieltjes, *Collected Papers Vol. II* (Springer-Verlag, Berlin, 1993), 609–745.
- [58] A. E. TAYLOR. *Úvod do funkcionální analýzy*. Academia, Praha, 1973.
- [59] M. TVRDÝ. *Differential and Integral Equations in the Space of Regulated Functions*. Memoirs on Differential Equations and Mathematical Physics vol.25 (2002), pp. 1–104.
- [60] C. J. DE LA VALLÉE POUSSIN. *Intégrales de Lebesgue, Fonctions d'Ensemble. Classes de Baire*. Paris, 1916.
- [61] E. B. VAN VLECK. Haskin's momental theorem and its connection with Stieltjes's problem of moments. *Trans. Amer. Math. Soc* **18** (1917), 326–330.
- [62] A. J. WARD. The Perron-Stieltjes integral. *Mathematische Zeitschrift* **41** (1936), 578–604.

- [63] L. C. YOUNG. *The Theory of Integration*. Cambridge, 1927.
- [64] L. C. YOUNG. An inequality of the Hölder type, connected with Stieltjes integration. *Acta Mathematica* **67** (1936), 251–282.
- [65] W. H. YOUNG. Integration with respect to a function of bounded variation. *Proc. London Math. Soc.* (2) **13** (1914), 109–150.