

LIST OF PUBLICATIONS

of Vladimir M. Veliov

Edited Books

137. J. Haunschmied, V.M. Veliov, and S. Wrzaczek, Eds. *Dynamic Games in Economics*. Springer series *Dynamic Modeling and Econometrics in Economics and Finance*, vol. 16, 2014.
136. E. Moser, W. Semmler, G. Tragler, and V.M. Veliov, Eds. *Dynamic Optimization in Environmental Economics*. Springer series *Dynamic Modeling and Econometrics in Economics and Finance*, vol. 15, 2014.
135. A.B. Kurzhanski and V.M. Veliov, Eds. *Modeling Techniques for Uncertain Systems*. Progress in Systems and Control Theory, **18**, Birkhäuser, Boston, 1994.
134. A.B. Kurzhanski and V.M. Veliov, Eds., *Set-Valued Analysis and Differential Inclusions*. Progress in Systems and Control Theory, **16**, Birkhäuser, Boston, 1993.

Journal Publications

133. A. Pietrus, T. Scarinci, and V.M. Veliov. High order discrete approximations to Mayer's problems for linear systems. To appear in *SIAM J. Control Optim.*, 2017. *Research Report* 2016-04, ORCOS, TU Wien, 2016, http://orcos.tuwien.ac.at/fileadmin/t/orcos/Research_Reports/2016-04.pdf.
132. R. Cibulka, A. L. Dontchev, J. Preininger, T. Roubal and V. Veliov. Kantorovich-type Theorems for Generalized Equations. *Journal of Convex Analysis*, **25**(2), 2018. (Research Report 2015-16, ORCOS, TU Wien, 2015, http://orcos.tuwien.ac.at/fileadmin/t/orcos/Research_Reports/2015-16.pdf.)
131. R. Cibulka, A.L. Dontchev and V.M. Veliov. Graves-type theorems for the sum of a Lipschitz function and a set-valued mapping. *SIAM J. Control Optim.*, **54**(6):3273–3296, 2016. (See also Research Report 2015-14, ORCOS, TU Wien, 2015, http://orcos.tuwien.ac.at/fileadmin/t/orcos/Research_Reports/2015-14.pdf.)

130. V.M. Veliov and A. Widder. Modelling and estimation of infectious diseases in a population with heterogeneous dynamic immunity. *Journal of Biological Dynamics*, **10**(1):457–476, 2016.
(DOI: 10.1080/17513758.2016.1221474)
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128. Ts. Tsachev, V.M. Veliov, and A. Widder. Set-membership estimations for the evolution of infectious diseases in heterogeneous populations. *J. Math. Biology*, 2016, DOI 10.1007/s00285-016-1050-0. (Research Report 2015-11, ORCOS, TU Wien, 2015).
127. V.M. Veliov and A. Widder. Aggregation and asymptotic analysis of an SI-epidemic model for heterogeneous populations. *Mathematical Medicine and Biology*, **32**:1–24, 2015.
126. B. Skritek and V.M. Veliov. On the infinite-horizon optimal control of age-structured systems. *Journal of Optimization Theory and Appl.*, **167**:243–271, 2015.
125. S. Aseev and V.M. Veliov. Maximum principle for infinite-horizon optimal control problems under weak regularity assumptions. *Trudy Inst. Mat. i Mekh. UrO RAN*, **20**(3):41–57, 2014.
Proceedings of the Steklov Institute of Mathematics, 2015, Vol. 291, Suppl. 1, pp. S22S39. Pleiades Publishing, Ltd., 2015.
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123. A. Belyakov, J.L. Haunschmied, and V.M. Veliov. Heterogeneous consumption in OLG model with horizontal innovations. *Portuguese Economic Journal*, **13**(3):167–193, 2014.
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