

PUBLICATION LIST: R. T. ROCKAFELLAR

December 2024

272. “Optimal trajectories and the neoclassical calculus of variations,” *Set-Valued and Variational Analysis*, submitted December 2024. (by R. T. Rockafellar).
271. “Derivative tests for prox-regularity and the modulus of convexity,” *J. Convex Analysis*, submitted November 2024. (by R. T. Rockafellar).
270. “Data poisoning attacks on traffic state estimation and prediction,” *Transportation Research Part C*, accepted March 2024 (by F. Wang, X. Wang, Y. Hong, R. T. Rockafellar, X. Ban).
269. “Solving convex problems in optimal control by progressive decoupling in the dynamics,” *Mathematical Control and Related Fields* **14** (2024), 1438–1451 (by R. T. Rockafellar).
268. “Variational convexity and prox-regularity,” *J. Convex Analysis*, accepted March 2024. (by R. T. Rockafellar).
267. “Primal-dual stability in local optimality,” *J. Optimization Theory and Applications*, accepted April 2024. (by M. Benko and R. T. Rockafellar).
266. “Distributional robustness, stochastic divergences, and the quadrangle of risk,” *Computational Management Science*, accepted April 2024 (by R. T. Rockafellar).
265. “Generalized Nash equilibrium from a robustness perspective in variational analysis,” *Set-valued and Variational Analysis*, *Set-Valued and Variational Analysis*, accepted April 2024 (by R. T. Rockafellar).
264. “Reaching an equilibrium of prices and holdings through direct buying and selling,” *Economic Theory*, submitted March 2023 (by J. Deride, A. Jofré and R. T. Rockafellar).
263. “Variational analysis of preference relations and their utility representations,” *Pure and Applied Functional Analysis* **8** (2023), 1477–1504 (by R. T. Rockafellar).
262. “Generalizations of the proximal method of multipliers in convex optimization” *Computational Optimization and Applications* **87** (2024), 219–247 (by R. T. Rockafellar).
261. “Generic linear convergence through metric subregularity in a variable-metric extension of the proximal point algorithm,” *Computational Optimization and Applications* **86** (2023), 1327–1346 (by R. T. Rockafellar).
260. “Preservation or not of the maximally monotone property by graph-convergence,” *J. Convex Analysis* **30** (2023), 414–430 (by S. Adly, H. Attouch and R. T. Rockafellar).
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258. “Convergence of augmented Lagrangian methods in extensions beyond nonlinear programming,” *Mathematical Programming* **199** (2023), 375–420 [published online on 14 Jun 2022; DOI 10.1007/s10107-022-01832-5] (by R. T. Rockafellar).
257. “Advances in convergence and scope of the proximal point algorithm,” *J. Nonlinear and Convex Analysis* **22/11** (2021), 2347–2374 (by R. T. Rockafellar).
256. “Augmented Lagrangians and hidden convexity in sufficient conditions for local optimality,” *Mathematical Programming* **198** (2023), 159–194 [published online: 19 Jan 2022] (by R. T. Rockafellar).
255. “Optimization and decentralization in the mathematics of economic equilibrium,” *Proceedings of the International Conference on Nonlinear Analysis and Convex Analysis & International Convergence on Optimization Techniques and Applications* **11** (Hakodate, Japan, 2019), M. Hojo, M. Hoshino, W. Takahashi, eds. Yokohama Publishers (2021), 199–211 (by R. T. Rockafellar).
254. “Characterizing firm nonexpansiveness of prox mappings both locally and globally,” *J. Nonlinear and Convex Analysis* **22/5** (2021), 897–899 (by R. T. Rockafellar).
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248. “Solving Lagrangian variational inequalities with applications to stochastic programming,” *Math. Programming* 181 (2020), 435–451: [dx.doi.org/10.1007/s10107-019-01458-0](https://doi.org/10.1007/s10107-019-01458-0) (by R. T. Rockafellar and J. Sun).
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