

LIST OF PUBLICATIONS

Miklós Rásonyi

PhD thesis

- [R0] M. Rásonyi: On certain problems of arbitrage theory in discrete-time financial market models. *PhD thesis, Université de Franche-Comté, Besançon*, 2002.

Refereed journal publications

- [R1] M. Rásonyi: A note on martingale measures with bounded densities, *Proceedings of the Steklov Institute of Mathematics*, vol. 237, 203–207, 2002.
- [R2] Yu. M. Kabanov, M. Rásonyi, Ch. Stricker: No-arbitrage criteria for financial markets with efficient friction, *Finance and Stochastics*, vol. 6, 371–382, 2002.
- [R3] Yu. M. Kabanov, M. Rásonyi, Ch. Stricker: On the closedness of sums of convex cones in L^0 and the robust no-arbitrage property, *Finance and Stochastics*, vol. 7, 403–412, 2003.
- [R4] M. Rásonyi: Equivalent martingale measures for large financial markets in discrete time. *Mathematical Methods of Operations Research*, vol. 58, 401–415, 2003.
- [R5] M. Rásonyi: Arbitrage pricing theory and risk-neutral measures. *Decisions in Economics and Finance*, vol. 27, 109–123, 2004.
- [R6] M. Rásonyi: Arbitrázs nagy pénzügyi piacokon. (In Hungarian.) *SZIGMA*, vol. 35, 123–130, 2004.
- [R7] M. Rásonyi, L. Stettner: On utility maximization in discrete-time market models. *Annals of Applied Probability*, vol. 15, 1367–1395, 2005.
- [R8] L. Carassus, M. Rásonyi: Convergence of utility indifference prices to the superreplication price. *Mathematical Methods of Operations Research*, vol. 64, 145–154, 2006.
- [R9] L. Carassus, M. Rásonyi: Convergence of utility indifference prices to the superreplication price: the whole real line case. *Acta Applicandae Mathematicae*, vol. 96, 119–135, 2007.
- [R10] L. Carassus, M. Rásonyi: Optimal strategies and utility-based price converge when agents' preferences do. *Mathematics of Operations Research*, vol. 32, 102–117, 2007.
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- [R12] M. Rásonyi: A note on arbitrage in term structure. *Decisions in Economics and Finance*, vol. 31, 73–79, 2008.
- [R13] M. Rásonyi, W. Schachermayer and R. Warnung: Hiding a drift. *Annals of Probability*, vol. 37, 2459–2479, 2009.
- [R14] P. Guasoni, M. Rásonyi and W. Schachermayer: The fundamental theorem of asset pricing for continuous processes under small transaction costs. *Annals of Finance*, vol. 6, 157–191, 2010.
- [R15] M. Rásonyi: On the statistical analysis of quantized Gaussian AR(1) processes. *Int. J. of Adaptive Control and Signal Processing*, vol. 24, 490–507, 2010.
- [R16] V. Prokaj, M. Rásonyi, W. Schachermayer: Hiding a constant drift. *Annales de l’Institut Henri Poincaré*, vol. 47, 498–514, 2011.
- [R17] L. Carassus, M. Rásonyi: Risk-averse asymptotics for reservation prices. *Annals of Finance*, vol. 7, 375–387, 2011.
- [R18] V. Prokaj and M. Rásonyi: Local and true martingales in discrete time, *Theory of Probability and Its Applications*, vol. 55, 325–332, 2011.
- [R19] I. Gyöngy and M. Rásonyi: A note on Euler approximations for SDEs with Hölder continuous diffusion coefficients. *Stochastic Processes and Their Applications*, vol. 121, 2189–2200, 2011.
- [R20] M. L. D. Mbele Bidima and M. Rásonyi: On long-term arbitrage opportunities in Markovian models of financial markets. *Annals of Operations Research*, vol. 200, 131–146, 2012.
- [R21] E. Lépinette, P. Guasoni and M. Rásonyi: The fundamental theorem of asset pricing under transaction costs. *Finance and Stochastics*, vol. 16, 741–777, 2012.
- [R22] A. Horváth and M. Rásonyi: Exploitation of Parallel Genetic Algorithms on Cellular Networks. *International Journal of Circuit Theory and Applications*, vol. 40, 1321–1332, 2012.
- [R23] A. Horváth and M. Rásonyi: Topographic Implementation of Particle Filters on Cellular Processor Arrays. *Signal Processing*, vol. 93, 1853–1863, 2013.
- [R24] M. Rásonyi and A. M. Rodrigues: Optimal Portfolio Choice for a Behavioural Investor in Continuous-Time Markets. *Annals of Finance*, vol. 9, 291–318, 2013.
- [R25] L. Carassus and M. Rásonyi: On optimal investment for behavioural investors in discrete-time multiperiod incomplete markets. *Mathematical Finance*, vol. 25:115–153, 2015.
- [R26] A. Herczegh, V. Prokaj and M. Rásonyi: Diversity and no arbitrage. *Stochastic Analysis and Applications.*, vol. 32, 876–888, 2014.

- [R27] M. L. D. Mbele Bidima and M. Rásonyi: Asymptotic Exponential Arbitrage and Utility-based Asymptotic Arbitrage in Markovian Models of Financial Markets. *Acta Applicandae Mathematicae*, vol. 138:1–15, 2015.
- [R28] M. Rásonyi and A. M. Rodrigues, Continuous-time portfolio optimisation for a behavioural investor with bounded utility on gains. *Electronic Communications in Probability*, vol. 19, article no. 38, 1–13, 2014.
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- [R35] M. Rásonyi and S. Deák: An explicit solution for optimal investment problems with autoregressive prices and exponential utility. *Applicaciones Mathematicae*, vol. 42, 379–401, 2015.
- [R36] T. Pennanen, A.-P. Perkkiö and M. Rásonyi: Non-convex dynamic programming and optimal investment. *Published online by Mathematics and Financial Economics*, 2016.
- [R37] M. Rásonyi: Maximizing expected utility in the Arbitrage Pricing Model. *Submitted*, 2016. [arXiv:1508.07761](#)
- [R38] M. Rásonyi and H. Sayit: Sticky processes, local and true martingales. *Under revision at Bernoulli*, 2016. [arXiv:1509.08280](#)
- [R39] M. Rásonyi: On optimal strategies for utility maximizers in the Arbitrage Pricing Model. *To appear in the International Journal of Theoretical and Applied Finance*, 2016. [arXiv:1602.05758](#)
- [R40] Huy N. Chau and M. Rásonyi. Skorohod’s representation theorem and optimal strategies for markets with frictions, *Submitted*. [arXiv:1606.07311](#)

- [R41] Huy N. Chau and M. Rásonyi. On optimal investment for processes of long or negative memory. *Submitted*, 2016. [arXiv:1608.00768](#)
- [R42] M. Rásonyi. On the identification of random variables from quantized observations. *Submitted*, 2016. [arXiv:1608.04697](#)
- [R43] Huy N. Chau, Ch. Kumar, M. Rásonyi and S. Sabanis. On fixed gain recursive estimators with discontinuity in the parameters. *Submitted*, 2016. [arXiv:1609.05166](#)
- [R44] R. Blanchard, L. Carassus and M. Rásonyi. Non-concave optimal investment and no-arbitrage: a measure theoretical approach. *Submitted*, 2016. [arXiv:1602.06685](#)

Book parts (all refereed)

- [R45] M. Rásonyi: A remark on the superhedging theorem under transaction costs, *Séminaire de Probabilités XXXVII*, 394–398, Springer, 2003.
- [R46] L. Stettner and M. Rásonyi: On the existence of optimal portfolios for the utility maximization problem in discrete time financial market models. *From stochastic calculus to mathematical finance – the Shiryaev Festschrift*. 589–608, Springer, 2006.
- [R47] M. Rásonyi: New methods in the arbitrage theory of financial markets with transaction costs, *Séminaire de Probabilités XLI*, Lecture Notes in Mathematics 1934, 455–462, Springer, Berlin, 2008. Erratum in *Séminaire de Probabilités XLII*.
- [R48] M. Rásonyi: Arbitrage under transaction costs revisited. *In: Optimality and Risk: Modern trends in Mathematical Finance; the Kabanov Festschrift*, editors: F. Delbaen, M. Rásonyi, Ch. Stricker, Springer, 211–225, 2009.
- [R49] M. Rásonyi and J. G. Rodríguez-Villarreal. Optimal investment under behavioural criteria – a dual approach. *In: Advances in Mathematics of Finance*, eds. A. Palczewski and L. Stettner, Banach Center Publications 104, 167–180, 2015.

Proceedings papers

- [R50] L. Gerencsér, Gy. Michaletzky and M. Rásonyi: Model uncertainty and performance in option pricing, *Proceedings of the 38th IEEE Conference on Control and Decision (CDC'99)*, Phoenix, 1999.
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- [R52] L. Gerencsér, M. Rásonyi and Zs. Vágó: Controlled Lyapunov-exponents with applications in optimization, finance and biology. *Proceedings of the 11th Mediterranean Conference on Control and Automation, MED'03*, T5-013, Rhodes, June 18-20, 2003.
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- [R57] A. Horváth and M. Rásonyi: Fast computation of particle filters on processor arrays. *Proceedings of the 12th International Workshop on Cellular Nanoscale Networks and Applications (CNNA 2010), Berkeley, California*, 3-5 February, 2010.
- [R58] A. Horváth and M. Rásonyi: Maximum likelihood estimation of quantized Gaussian autoregressive processes using particle filters with resampling. *Proceedings of International Symposium on Nonlinear Theory and its Applications, Palma de Mallorca*, October 22-26, 2012.