

LIST OF PUBLICATIONS (Frank Hansen)

65. Metric adjusted skew information: Convexity and restricted forms of superadditivity (with Liang Cai). *Lett. Math. Phys.* **93**, 1–13 (2010).
64. Application of operator monotone functions in economics. *Proceedings of the Estonian Academy of Sciences* **59** (2010), 42–47.
63. Non-commutative Hardy inequalities. *Bull. London Math. Soc.* **41** (2009), 1009–1016.
62. Subjective expected utility theory with “small worlds” (with Jacob Gyntelberg), Discussion Papers No. 09-26 (2009). Department of Economics, University of Copenhagen.
61. Quantum statistics and measures of quantum information; in *Algebraic and Geometric Methods in Statistics*, Chapter 20, 327–338. Cambridge University Press (2010).
60. Generalized non-commutative Hardy and Hardy-Hilbert type inequalities (with K. Krulic, J. Pecaric and L.-E. Persson) 2009, to appear in the *Int. J. Math.*
59. Differential analysis of matrix convex functions II (with Jun Tomiyama). *Journal of Inequalities in Pure and Applied Mathematics* **10**(2) (2009), article 32.
58. On a correspondence between regular and non-regular operator monotone functions (with P. Gibilisco and T. Isola). *Linear Algebra Appl.* **430** (2009), 2225–2232.
57. Some operator monotone functions. *Linear Algebra Appl.* **430** (2009), 795–799.
56. Inequalities for quantum skew information (with Koenraad Audenaert and Liang Cai). *Lett. Math. Phys.* **85**, 135–146 (2008).
55. Metric adjusted skew information. *Proc. Natl. Acad. Sci. USA* **105**, No. 29, 9909–9916 (2008).
54. Estimating relative risk premia for foreign exchange carry trades (with Jacob Gyntelberg). Preprint 2008.

53. Decreasing relative risk premium. *The Berkeley Electronic Journal of Theoretical Economics* 7, Iss. 1 (Topics), Article 37 (2007).
52. Jensen's operator inequality and its converses (with Josip Pečarić and Ivan Perić). *Math. Scand.* 100 (2007), 61–73.
51. The Wigner-Yanase entropy is not subadditive. *Journal of Statistical Physics* **126** (2007), 643–648.
50. Differential analysis of matrix convex functions (with Jun Tomiyama). *Linear Algebra and its Applications* **420** (2007) 102–116.
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48. Extensions of Lieb's concavity theorem. *Journal of Statistical Physics* **124** (2006), 87–101.
47. Trace functions as Laplace transforms. *Journal of Mathematical Physics* **47**, 043504 (2006)
46. Jensen's inequality for conditional expectations. *Journal of Inequalities in Pure and Applied Mathematics* **6**(5), Art. 133 (2005), 1–5.
45. Extensions of the BMV-conjecture. *Proceedings of RIMS, Kyoto University* (2005), 1–9.
44. Asset valuation under risk and uncertainty (with Jacob Gyntelberg). Work in progress, February 2006.
43. A general model of decision making. *The Australian Journal of Mathematical Analysis and Applications* **2**(2), Art. 5 (2005), 1–13.
42. Monotone trace functions of several variables. *International Journal of Mathematics* **16** (2005), 777–785.
41. Lower bounds on products of correlation coefficients. *J. Inequal. Pure and Appl. Math.* **5**(1) Art. 16 (2004), 1–5.
40. Gaps between classes of matrix monotone functions (with Guoxing Ji and Jun Tomiyama). *Bull. London Math. Soc.* **36** (2004), 53–58.

39. Jensen's trace inequality in several variables (with G.K. Pedersen). *International Journal of Mathematics* **14** (2003), 667–681.
38. Jensen's operator inequality (with G.K. Pedersen). *Bull. London Math. Soc.* **35** (2003), 553-564.
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10. On Operator Monotone Functions. Third Seminar on Applied Functional Analysis, edited by H. Umegaki, Tohoku University, 27–35, 1980.
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