

## Publications

- 1 Numerical ranges of  $C_0(N)$  contractions, with Ch. Benhida and P. Gorkin, *Integral Equations Operator Theory*, to appear.
- 2 Bounded symbols and reproducing kernel thesis for truncated Toeplitz operators, with A. Baranov, I. Chalendar, E. Fricain, J. Mashreghi, *J. Funct. Anal.*, to appear.
- 3 Embedding theorems for Müntz spaces, with I. Chalendar and E. Fricain, *Ann. Inst. Fourier*, to appear.
- 4 A family of reductions for Schubert intersection problems, with H. Bercovici and W.S. Li, *J. Alg. Comb.*, to appear.
- 5 Positive definite functions on amenable groups, with M. Bakonyi, *Canadian Mathematical Bulletin*, to appear.
- 6 Intersections of Schubert varieties and eigenvalue inequalities in an arbitrary finite factor, with H. Bercovici, B. Collins, K. Dykema, and W.S. Li, *J. Funct. Anal.* **258** (2010), 1579-1627.
- 7 On an extremal problem of Garcia and Ross, with I. Chalendar and E. Fricain, *Operators and Matrices* **3** (2009), 541–546.
- 8 The Horn conjecture for sums of compact selfadjoint operators, with H. Bercovici and W.S. Li, *Amer. J. Math.* **131** (2009), 1543–1567.
- 9 On certain Riesz families in vector-valued de Branges–Rovnyak spaces, with N. Chevrot and E. Fricain, *J. Math. Anal. Appl.* **355** (2009), 110–125.
- 10 Finitely strictly singular operators between James spaces, with I. Chalendar, E. Fricain, A. Popov, and V. Troitsky, *J. Funct. Anal.* **256** (2009), 1258–1268.
- 11 A note on the stability of linear combinations of algebraic operators, with I. Chalendar and E. Fricain, *Extracta Math.* **23** (2008), 43–48.
- 12 The central completion of a positive block operator matrix, with M. Bakonyi, in *Operator theory, structured matrices, and dilations*, 69–83, Theta, Bucharest, 2007.
- 13 The characteristic function of a complex symmetric contraction, with N. Chevrot and E. Fricain, *Proc. Amer. Math. Soc.* **135** (2007), 2877–2886.
- 14 Extensions of positive definite functions on free groups, with M. Bakonyi, *J. Functional Analysis*, **246** (2007), 31–49.
- 15 Some automorphism invariance properties for multicontractions, with Ch. Benhida, *Indiana Univ. Math. J.* **56** (2007), 481–500.

- 16 Weak contractions and trace class perturbations, with H. Bercovici, *Oper. Matrices* **1** (2007), 71–85.
- 17 Characteristic functions for multicontractions and automorphisms of the unit ball, with Ch. Benhida, *Integral Equations Operator Theory* **52** (2007), 153–166.
- 18 The characteristic function of a complex symmetric contraction, with N. Chevrot and E. Fricain, *Proc. A.M.S.* **135** (2007), 2877–2886.
- 19 Trace-class perturbations and functional calculus, with H. Bercovici, dans *Operator Theory, Operator Algebras, and Applications*, Deguang Han, Palle E.T. Jorgensen, and D.R. Larson, Editors, Contemporary Mathematics **414**, American Mathematical Society, 2006, 399–402.
- 20 Inner-outer factorization for operator-valued functions on ordered groups, with M. Bakonyi, *Studia Mathematica* **169** (2005), 295–303.
- 21 A remark on positive definite functions on free groups, with M. Bakonyi, *Demonstratio Mathematica* **39** (2006), 317–320.
- 22 The relaxed intertwining lifting in the coupling approach, with W.S. Li, *Integral Equations Operator Theory* **54** (2005), 97–111.
- 23 Power boundedness and similarity to contractions for some perturbations of isometries,, with G. Cassier, *Journal of Mathematical Analysis and Applications* **293** (2004), 160–180.
- 24 Approximation theory and matrix completions, with D. Hadwin and D.R. Larson, *Linear Algebra Appl.* **377** (2004), 165–179.
- 25 Functional models and asymptotically orthonormal sequences, with I. Chalendar and E. Fricain *Ann. Institut Fourier*, **53** (2003), 1527–1549.
- 26 The intertwining lifting theorem for ordered groups, with M. Bakonyi, *J. Functional Analysis* **199** (2003), 411–426.
- 27 2-chordal graphs and matrix completions, *Ann. Univ. Timisoara*, to appear.
- 28 A von Neumann type inequality for certain domains in  $\mathbf{C}^n$ , with C.-G. Ambrozie, *Proceedings of the AMS* **131** (2003), 859–869.
- 29 The weighted intertwining lifting theorem in the coupling approach, *Integral Equations and Operator Theory* **42** (2002), 493–497.
- 30 On an intertwining lifting theorem for certain reproducing kernel Hilbert spaces, with C.-G. Ambrozie, *Integral Equations and Operator Theory* **42** (2002), 373–384.
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- 32 A note on finite rank perturbations of contractions and dual algebras, with Ch. Benhida, *Bull. Math. Soc. Sc. Math. Roum.*, **44(92)** (2001), 193-198.
- 33 Finite rank perturbations of contractions, with Ch. Benhida, *Integral Equations Operator Theory* **36** (2000), 253-268.
- 34 A commutant lifting theorem for the polydisc, with J. A. Ball, W. S. Li and T. T. Trent, *Indiana Univ. Math. Journal* **48** (1999), 653-675.
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