

## Publications Of James Jamison

[Mathscinet link](#)

### Books

[Jamison, James E.](#) (with R. J. Fleming) Isometries on Banach spaces: function spaces. [Chapman & Hall/CRC Monographs and Surveys in Pure and Applied Mathematics, 129.](#) *Chapman & Hall/CRC, Boca Raton, FL, 2003.* x+197 pp. ISBN: 1-58488-040-6 (Reviewer: Juan J. Font)

[Jamison, James E.](#) ( with R. J. Fleming) Isometries on Banach spaces. Vol. 2. Vector-valued function spaces. [Chapman & Hall/CRC Monographs and Surveys in Pure and Applied Mathematics, 138.](#) *Chapman & Hall/CRC, Boca Raton, FL, 2008.* x+234 pp. ISBN: 978-1-58488-386-9; 1-58488-386-3 (Reviewer: Miguel Martín)

### Refereed Journal Publications

1. *Transform Solutions of Voigt Transients*, Quarterly of Applied Mathematics, 25, (1968). (with G.B. Clark and G.B. Rupert)
2. *Hermitian and Adjoint Abelian Operators on certain Banach Spaces*, Pacific J. Math., 52, No. 1, (1974), 67-84 (with R. J. Fleming).
3. *Isometries of Certain Banach Spaces*, J. London Math. Soc. (2), **9** (1974) 121-127 (with R. J. Fleming)
4. *Adjoint Abelian Operators on  $L^p$  and  $C(X)$* , Transactions of AMS, 217 (1976), 87 - 98 (with R.J Fleming)
5. *Groups of Isometries on Certain Ideals of Hilbert Space Operators*, Math. Ann. 220 (1976), 145-151 (with Earl Berkson and R. J. Fleming)
6. *One-Parameter Groups of Isometries on Certain Banach Spaces*, Pac. J. Math. **64**, No. 1 (1976), 145-151
7. *On a Conjecture of Istratescu*, Rev. Roumaine Math. Pures Appl. **22** (1977), 921-925 (with R. J. Fleming)

8. *Classes of Operators on Vector Valued Integration Spaces*, J. Australian Math. Soc. 24 (Series A)(1977) 129-138 (with R. J. Fleming)
9. *One-Parameter Groups of Isometries on CP*, Rev. Roumaine Math. Pures Appl. **24** (1979) 863-868 (with E. Berkson, R.J. Fleming, and J. Goldstein)
10. *Hermitian Operators on  $C(X,E)$  and the Banach Stone Theorem*, Math. Z., **170** (1980) 77-84 (with R. J. Fleming)
11. *The Isometries of  $S_a$* , Canad. J. Math. **33**, (1981), 59 - 67(with R. J. Fleming)
12. *Some Banach Spaces in which all Biholomorphic Automorphisms are Linear*, Journal of Math. Analysis and its Applications, **87**, 1, (1983), 127 - 133 (with R. J. Fleming)
13. *Commutative Ranges of Analytic Functions in Banach Algebras*, **93**, No. 1, (1985), 48 - 50 (with R. J. Fleming)
14. *Complex Strict Convexity of Certain Banach Spaces*, Mh. Math. **99**, (1985) 199- 211 (with I. Loomis and C. C. Rousseau)
15. *The Isometries of Orlicz Spaces of Vector Valued Functions*, Math. Z., 193, (1986), 363-371 (with I. Loomis)
16. *Hilbert Spaces Have the Strong Banach Stone Property for Bochner Spaces*, Math. Z. 196, (1987) 51-515
17. *Weighted Composition Operators on  $C(X,E)$* , J. Operator Theory, **19**, (1988) 307-317 (with M. Rajagopalan)
18. *Hermitian Operators and isometries on sums of Banach spaces*, Proc. Edinburgh Math. Soc. (2) **32** (1989), 169 - 191 (with R. J. Fleming)
19. *A result on Hermitian Operators*, Glasgow Math. Journal, **31**, (1989) 71-72 (with P. K. Lin)
20. *The Rotations of  $l(p_n)$* , Rocky Mountain J. of Math. **20**, No.1,(1990) 123-127 (with R. J. Fleming)
21. *On Some Classes of Weighted Composition Operators*, Glasgow Math. Journal, **32**, (1990) 87- 94 (with J.T. Campbell)

22. *On Some Classes of Weighted Composition Operators, (Corrigendum)*, Glasgow Math. J. **32** (1990) 261 - 263
23. *M - Ideals and the Basic Inequality Property*, Progress in Approximation Property, (1991), 363-377 (**Book Chapter**) (with R. J. Fleming)
24. *Banach Spaces with a Basic Inequality Property and the Best Compact Approximation Property*, Progress in Approximation Theory, (1991), 347-362, (Book Chapter) (with R. J. Fleming)
25. *The Analysis of Composition Operators on LP and the Hopf Decomposition*, J. Math. Analysis and its Applications, **159**, No. 2, (1991), 520-531 (with J. Campbell)
26. *Shift Operators on Banach Spaces*, J. Functional Analysis, **101**, No.1, (1991) 97-119 (with A. Gutek, D. Hart, and M. Rajagopalan)
27. *Isometries of Musielak- Orlicz Spaces*, in "Function Spaces" Ed. K. Jarosz, Marcel Dekker, (1992) 139 - 154 (**Book Chapter**) (with R. J. Fleming and Anna Kaminska)
28. *Isometries of Banach Spaces*, "George B Riemann - A Mathematical legacy", (1993), 52-123, (**Book Chapter**) (with R. J. Fleming)
29. *Isometries of Musielak Orlicz Spaces II*", Studia Math. , **104**, (1993) 75 - 90 (with A. Kaminska and P. K. Lin)
30. *Spaces With Almost Transitive Norms*", Math. Proc. Camb. Phil. Soc. **116**, (1994), 475-488 (with A. Kaminska and Peter Greim)
31. *Weighted Composition Operators on Hilbert Spaces of Vector Valued Functions*, Proceedings of the American Mathematical Society, **124**, No. 10, (1996) 3123-3130.(with William Hornor)
32. *Almost transitivity of some function spaces" (CORRIGENDUM)*, Math. Proc.Camb.Phil. Soc. Vol. 121 (1997) 191-192. (with Peter Greim and Anna Kaminska)
33. *Isometric Equivalence of Composition Operators On Spaces of Analytic Vector Valued Functions* "(with William Hornor) Glasgow Math. J. **41**,

34. "Self maps of the disk inducing isometries of the Bergman space" ,(with Willaim Horner),Complex Variables and it"s Applications, 38, (1999)
35. "Isometries of some Banach Spaces of Analytic Functions", (with William Horner), The Journal of Integral Equations and Operator Theory, **41**, (2001), 410-425.
36. "A learning rule with generalized Hebbian synapsis" (with Fernanda Botelho) J. Math. Anal. Appl. 273(2002) 529-547.
37. "Chaoticity Generated by a Learning Model "(with Fernanda Botelho), J. Math Analysis Appl. 286 (2003) 618-635.
38. "One complimented subspaces of Musielak - Orlicz sequence spaces "(with Anna Kaminska and Grzegorz Lewicki) in Journal of Approximation Theory, (**130**) (2004), 1-37.
39. "Qualitative behavior of differential equations associated with artificial neural networks", (with Fernanda Botelho) J. Dynam. Differential Equations 16 (2004), no. 1, 179—204
- 40." Differential Equations in Spaces of Compact Operators", (with Fernanda Botelho) J. Math. Anal. Appl. **308**, (2005), 105-120.
41. "Dynamical Structures Emerging in Higher Order Nonlinear Systems"(with Fernanda Botelho and Julie A. Murdock), Communications in Applied Analysis , 10, 43-56 (2006)
- 42."Isometric Equivalence of Certain Operators on Banach Spaces", Integral Equations and Operator Theory, Vol. 56, 469-482 (2006)
43. "Bi-circular Projections on some Banach spaces", Linear Algebra Appl. 420,No. 1, 29-33 (2007)
- 44." Isometries and isometric equivalence of hermitian operators on  $A^{\{1,p\}}(X)$ ", (with Nadia Gal) J. Math. Anal. Appl. 339, 225-239, (2008)
45. "Multi-parameter Oscillatory Coupling Functions in Neuaral Networks", (with F. Botelho and A. Murdock), Topology Proceedings, Vol. 31, No. 1, 7-18, (2007)

46. "Generalized Bi-Circular Projections On Minimal Ideals", (with Fernanda Botelho), Proc. AMS (2008), 136:4, 1397-1402
47. "Algebraic Reflexivity of  $l^p(X)$ ", (with Fernanda Botelho), JMMA 346 :1 (2008), 141-144
48. "Surjective isometries of spaces of differentiable vector valued functions" (with Fernanda Botelho) Studia Math. 192:1 (2009) 39-50
49. "Algebraic Reflexivity of  $C(X,E)$  and Cambern's Theorem", (with Fernanda Botelho) Studia Mathematica (2008) 186:3, 295-302
50. "Algebraic Reflexivity of Tensor Product Spaces", (with Fernanda Botelho) Houston J. Math. [\*Houston J. Math.\* 36 \(2010\), no. 4](#), 1133–1137.
51. "Topological Reflexivity of Spaces of Analytic Functions", (with Fernanda Botelho) Acta Sci. Math.(Szeged) (2009) 75:1-2, 91-102
52. Generalized Bi-Circular Projections on Spaces of Analytic Functions, (with Fernanda Botelho), Acta Sci. Math. (Szeged ) 75:3-4 (2010), 527-546
53. Isometric Equivalence of Integration Operators, (with Nadia Gal and Aristomenis Siskakis) Complex Variables and Operator Theory (to appear)
54. Projections on Tensor Products of Banach Spaces, (with Fernanda Botelho), Archive Math. 90 (2008), 341-352
55. Single-Pulse Solutions for Oscillatory Coupling Functions in Neural Networks, (with Fernanda Botelho and Angela Murdock) , J. of Differential Eqns and Dynamics 20 (2008), no 1, 165-199
56. Persistence of Spatial patterns produced by neural field equations , (with Fenanda Botelho and Angela Murdock), Physica D 215 106-116 (2006)
57. Generalized Bi-Circular Projections on  $C(\Omega, X)$ , (with Fernanda Botelho), Rocky Mountain J. Math. 40, 77-83
58. "Kernels of an Integro-Differential Equation from an Initial Pulse" (with Fernanda Botelho and Angela Murdock) Communications in Applied Analysis (2007) 11, No 2, 327-337

59. "Generalized bi-circular projections on Lipschitz spaces", (with Fernanda Botelho) *Acta Sci. Math. (Szeged)* 75 (2009), no 1-2, 103-112.
60. Essential Norm and Compactness of Combinations of Weighted Composition Operators, (with F. Botelho), *International Journal Functionl Analysis, Operator Theory and Appl.* (2010) 1:2, 129-140
61. An extension of Cambern's theorem, (with Fernanda Botelho) *Revue Romaine de Math Pures et Appl* 54:3 (2009) , 181-188
62. Nonlinear Differential Equation in  $B(H)$  Motivated by Learning Models (with Fernanda Botelho) *J. Dynamics Differential Equations* 21:4 (2010) pp 595-606
63. Differential Equations in Schatten Classes of Operators (with Fernanda Botelho), *Monatscheft fur Mathematik* (2010), 160, no. 3 257-269
64. Elementary Operators and the Aluthge Transform (with Fernanda Botelho), *Linear Algebra and its Appl.* 432:1 (2010), 275-282
65. Isometric Properties of Elementary Operators (with Fernanda Botelho) *Linear Algebra and its Appl.* 432:1 (2010), 357-365
66. Projections in the convex hull of isometries (with Fernanda Botelho) *Canadian Bull.* (2010) 53 no.3, 398-403
67. Algebraic Reflexivity of Sets of Bounded Operators on Vector Valued Lipschitz Functions, (with Fernanda Botelho) *Linear Algebra and its Applications, LAA* (to appear)
68. Generalized Bi-Circular Projections on Spaces of Operators and  $JB^*$  Triples, *Rocky Mountain Journal of Mathematics* (42), no. 4, 1241-1245, (2011)
69. Projections as averages of Isometries on spaces of Lipschitz functions (with F. Botelho and A. Vargás) *JMAA* (386), 910-920, (2012)
70. Some results on thickness and thinness of Banach spaces (with F. Botelho) *Acta Sci. Math (Szeged)* (78), Nos 1-2, 173-186 (2012)
71. Algebraic and topological reflexivity of spaces of Lipschitz functions ( with F. Botelho) *Revue Romaine de Math Pures et Appl.*, (56), no. 2105-114, (2011)

72. "Homomorphisms on a class of commutative Banach algebras "(with F. Botelho) (2011) Rocky Mountain Journal to appear
73. "Extreme points and isometries on vector valued Lipschitz spaces "(with F. Botelho and R. Fleming ) (2011) JMAA 381, no. 2, 821-832
74. "Homomorphisms of algebras of Lipschitz functions" (with F. Botelho) (2010), Studia Mathematica 199, no. 1, 95-106
75. "Isometries of Nakano Spaces of vector valued functions' (with Nadia Gal) (2011) Rocky mountain J. of Math. 41, no. 4, 1195- 1220
76. " Generalized Bi-circular projections on spaces of operators and  $JB^*$  triples", (2011), Rocky Mountain J. of Math., 41, no. 4 1241-1245
77. " Isometric equivalence of integration operators " ( with N. Gal and A. Siskakis) [Complex Anal. Oper. Theory 4 \(2010\), no. 2](#), 245–255
- 78." Homomorphisms of non-commutative Banach \* algebras of Lipschitz functions" (with F. Botelho) (2011) Contemporary mathematics 547, 73-78
79. Composition operators on spaces of Lipschitz spaces (with Fernanda Botelho) Acta Sci. Math. (Szeged) (77), no. 3-4, 621-632 (2011)
80. Projections as averages of isometries on minimal norm ideals (with Fernanda Botelho), Linear Algebra Appl. (435), no. 6, 1344-1355, (2011)
81. Hermitian operators on Banach algebras of Lipschitz functions (with Botelho, Fernanda; Jiménez-Vargas, A., Villegas-Vallecillos, Moisés) Proc. AMS (to appear)
82. Strict isometries of arbitrary orders, (with [Botelho, Zheng, Bentuo](#)), [Linear Algebra Appl. 436 \(2012\), no. 9](#), 3303–3314
83. Circular Projections on minimal norm ideals of  $B(H)$  (M. Botelho and B. Zheng) Linear and Multilinear Algebra (to appear)
84. [Isometries on spaces of vector valued Lipschitz functions](#), with ([Fernanda Botelho](#), [Bentuo Zheng](#)) in [Positivity](#)(2011)

**PhD students:** James Robinson, Irene Loomis, Philip Dibrell, Nadia Gal