LUDOVIC DAN LEMLE
Conf. univ. dr.

Universitatea Politehnica Timişoara
Tel: +40254207500
Fax: +40254207501
E-mail: dan.lemle@fih.upt.ro

Lista de lucrări

10 lucrări reprezentative

1. L.D. Lemle, On the approximation of C_0-semigroups on the dual of a Banach space, *Operators and Matrices* (acceptat spre publicare)

2. L.D. Lemle, On the L^∞- uniqueness of symmetric diffusion operators on complete non-compact Riemannian manifolds, *J. Geom. Anal.*, **25**(2015), 2375-2385

3. L.D. Lemle, R. Wang, L.M. Wu, Uniqueness of Fokker-Planck equation for spin lattice systems (II): non-compact case, *Sci. China Math.*, **57**(2014), 161-172

4. L.D. Lemle, On the L^∞-uniqueness of multidimensional Nelson's diffusion, *Carpathian J. Math.*, **30**(2014), 209-215

5. L.D. Lemle, R. Wang, L.M. Wu, Uniqueness of Fokker-Planck equation for spin lattice systems (I): compact case, *Semigroup Forum*, **86**(2013), 583-591

6. L.D. Lemle, L.M. Wu, Uniqueness of C_0-semigroups on a general locally convex vector space and an application, *Semigroup Forum*, **82**(2011), 485-496

7. L.D. Lemle, Existence and uniqueness for C_0-semigroups on the dual of a Banach space, *Carpathian J. Math.*, **26**(2010), 67-76

8. L.D. Lemle, *L^∞-uniqueness for one-dimensional diffusions,* Operator Theory Live. OT22 Conference Proceedings, Timişoara, 2010, pp. 99-112

9. L.D. Lemle, L^1-uniqueness of weak solutions for the Fokker-Planck equation associated with a class of Dirichlet operators, *Electron. Res. Announc. Math. Sci.*, **15**(2008), 65-70

10. L.D. Lemle, *L^∞-uniqueness of Schrödinger operators restricted in an open domain,* Hot topics in operator theory, OT21 Conference Proceedings, Timişoara, 2008, pp.137-143

A. Teza de doctorat

A1. Domeniul: Matematică

Titlul: *Semi-groupes intégrés d'opérateurs, l'unicité des pré-générateurs et applications*

Data şi locul susţinerii: 19.01.2007, Universitatea Blaise Pascal, Clermont-Ferrand, Franţa

Menţiunea: trés honorable

B. Cărţi şi capitole în cărţi

B1. L.D. Lemle, *Elemente de geometrie analitică și diferențială*, Editura Politehnica, Timişoara, 2016

B2. D. Bistrian, **L.D. Lemle**, *Culegere de probleme de ecuații diferențiale*, Editura Politehnica, Timişoara, 2016

B3. L.D. Lemle, St. Maksay, *Matematici speciale,* Editura Politehnica, Timişoara, 2011

B4. L.D. Lemle, *Lecţii de Analiză Matematică pentru ingineri,* Editura Politehnica, Timişoara, 2010

B5. L.D. Lemle, *Autour de la formule de Lie-Trotter,* Editions Universitaires Européennes, Saarrebruck, 2010

B6. D.M. Stoica, **L.D. Lemle**, S. Maksay, *Analiză Matematică. Calcul diferenţial. Culegere de probleme,* Editura Politehnica, Timişoara, 2009

B7. L.D. Lemle, *Semigrupuri de operatori liniari şi aplicaţii,* Editura Politehnica, Timişoara, 2008

B8. L.D. Lemle, *Algebră şi geometrie,* Editura Politehnica, Timişoara, 2006

B9. L.D. Lemle, *Lecţii de geometrie analitică,* Editura Mirton, Timişoara, 2004

B10. L.D. Lemle, *Algebră liniară,* Editura Mirton, Timişoara, 2002

C. Lucrări indexate ISI/BDI

Reviste cotate ISI

C1. L.D. Lemle, On the approximation of C_0-semigroups on the dual of a Banach space, *Operators and Matrices* (acceptat spre publicare)

C2. L.D. Lemle, On the L^∞- uniqueness of symmetric diffusion operators on complete non-compact Riemannian manifolds, *J. Geom. Anal.*, **25**(2015), 2375-2385

C3. L.D. Lemle, R. Wang, L.M. Wu, Uniqueness of Fokker-Planck equation for spin lattice systems (II): non-compact case, *Sci. China Math.*, **57**(2014), 161-172

C4. L.D. Lemle, On the L^∞-uniqueness of multidimensional Nelson's diffusion, *Carpathian J. Math.*, **30**(2014), 209-215

C5. L.D. Lemle, On some approximation theorems for power q-bounded operators on locally convex vector spaces, *Sci. World J.*, 2014

C6. L.D. Lemle, R. Wang, L.M. Wu, Uniqueness of Fokker-Planck equation for spin lattice systems (I): compact case, *Semigroup Forum*, **86**(2013), 583-591

C7. L.D. Lemle, L.M. Wu, Uniqueness of C_0-semigroups on a general locally convex vector space and an application, *Semigroup Forum*, **82**(2011), 485-496

C8. L.D. Lemle, Existence and uniqueness for C_0-semigroups on the dual of a Banach space, *Carpathian J. Math.*, **26**(2010), 67-76

C9. L.D. Lemle, L.M. Wu, Unicité des pré-générateurs dans les espaces localement convexes, *C.R. Acad. Sci. Paris, Ser. 1*, **347**(2009), 1281-1284

C10. L.D. Lemle, L^1-uniqueness of weak solutions for the Fokker-Planck equation associated with a class of Dirichlet operators, *Electron. Res. Announc. Math. Sci.*, **15**(2008), 65-70

ISI Proceedings

C11. M. Vatasescu, M. Vatasescu, G.D. Vasilescu, **L.D. Lemle,** *Evaluating the safety risk in relation to the energetic field,* Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1648, 2015, pp. 680006-1-680006-4

C12. M. Vatasescu, M. Vatasescu, G.D. Vasilescu, **L.D. Lemle,** *Advanced research in the field of instruments for use in the probabilistic study of security,* Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1648, 2015, pp. 680008-1-680008-3

C13. D.M. Stoica, M. Megan, **L.D. Lemle,** *Polynomial stability in mean square of stochastic cocycles in Hilbert spaces*, Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1558, 2013, pp. 1635-1638

C14. F.L.Pater, **L.D. Lemle,** *On some multiplication operator algebra problem with application to stochastic signal models*, Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1558, 2013, pp. 1661-1664

C15. S. Şerban, **L.D. Lemle**, *Computer science applied for chemical formulas*, Procedia Social and Behavioral Sciences, vol. 83, 2013, pp. 290-294

C16. L.D. Lemle, D.M. Stoica, *On the existence of evolution semigroups on* L^{∞}, Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1479, 2012, pp. 751-754

C17. L.D. Lemle, D.M. Stoica, *Chernoff product formula for* C_0*-semigroups on* L^{∞}, 9th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences, A.I.P. Conference Proceedings, vol. 1493, 2012, pp. 994-997

C18. L.D. Lemle, Y. Jiang, F.L. Pater, E. Cismaş, *Note on the* L^1*-uniqueness of Fokker-Planck equation,* Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1389, 2011, pp. 521-523

C19. L.D. Lemle, F.L. Pater, A. Berdie, *Kato's type inequality for symmetric diffusion operators,* Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1389, 2011, pp. 528-531

C20. F.L. Pater, **L.D. Lemle,** Y. Jiang, S. Şerban, *On some spectral properties for locally bounded operators,* Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1389, 2011, pp. 524-527

C21. A. Păucă, D.M. Stoica, **L.D. Lemle,** *Exponential stability in mean square and stochastic variational equations,* Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1389, 2011, pp. 532-535

C22. L.D. Lemle, T. Bînzar, F. Pater, L^{∞}*-uniqueness and Liouville property for one-dimensional diffusions,* Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1281, Rhodes, 2010, pp. 440-443

C23. G.O. Tirian, **L.D. Lemle**, S. Maksay, *A computational method for an truncated modeling of the normal distribution,* Numerical Analysis and Applied Mathematics, A.I.P Conference Proceedings, vol. 1281, Rhodes, 2010, pp. 456-459

C24. F. Pater, **L.D. Lemle**, T. Bînzar, *On the Wold-Slocinski's type decomposition of a pair of commuting semigroups af isometries,* Numerical Analysis and Applied Mathematics, A.I.P Conference Proceedings, vol. 1281, Rhodes, 2010, pp. 1379-1381

C25. T. Bînzar, F. Pater, **L.D. Lemle**, *On the inner multi-analytic operators,* Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1281, Rhodes, 2010, pp. 1382-1385

C26. L.D. Lemle, T. Bînzar, F. Pater, *L^1-uniqueness of weak solution for the one-dimensional mass transport equation,* Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1168, Rethymno, 2009, pp. 160-163

C27. T. Bînzar, F. Pater, **L.D. Lemle**, *Some extension of a B. Sz.-Nagy type theorem with application in the stochastic processes,* Numerical Analysis and Applied Mathematics, A.I.P. Conference Proceedings, vol. 1168, Rethymno, 2009, pp. 201-204

C28. F. Pater, **L.D. Lemle**, T. Bînzar, *On some Yosida type approximation theorems,* Numerical Analysis and Applied Mathematics, A.I.P Conference Proceedings, vol. 1168, Rethymno, 2009, pp. 521-524

C29. L.D. Lemle, *L^∞-uniqueness of Schrödinger operators restricted in an open domain,* Hot topics in operator theory. OT21 Conference Proceedings, Timişoara, 2008, pp.137-143

Articole BDI

C30. Y. Jiang, **L.D. Lemle,** Y. Miao, F.L. Pater, On a class of Dirichlet operators on a Riemannian manifold, *Analele Universităţii Oradea, Fascicola Matematică*, **21**(2014), 177-179

C31. Y. Jiang, **L.D. Lemle,** Moderate deviation principle for dynamic systems with small random perturbation, *J. Math.*, **32**(2012), 395-401

C32. A.D. Berdie, M. Osaci, **L.D. Lemle**, *An AHP evaluation between WD ABAP, FPM and CRM Webclient UI technologies,* AWERProcedia Information Technology Computer Science, vol. 2, 2012, pp. 9-16

C33. L.D. Lemle, T. Bînzar, L.F. Pater, V. Bălăşoiu, Riesz-Dunford representation theorem for uniformly continuous semigroups, *Annals of Faculty Engineering Hunedoara,* 9(2011), 481-484

C34. L.D. Lemle, Autour des propriétés spectrales des semi-groupes, *Lect. mat.*, **31**(2010), 99-145

C35. L.D. Lemle, *L^∞-uniqueness for one-dimensional diffusions,* Operator Theory Live, OT22 Conference Proceedings, Timişoara, 2010, pp. 99-112

C36. D.M. Stoica, **L.D. Lemle,** On the nonuniform stability for stochastic cocycles of Banach space, *Analele Universităţii Oradea, Fascicola Matematică*, **17**(2010), 135-140

C37. L.D. Lemle, T. Bînzar, F. Pater, D.M. Stoica, *Sur le théorème spectral des C_0-semi-groupes différentiables,* Proceedings of the 12-th Symposium of Mathematics and its Applications, Timişoara, 2009, pp. 124-129

C38. L.D. Lemle, Desch-Schappacher perturbation theorem for C_0-semigroups on the dual of a Banach space, *Acta Univ. Apulensis Math. Inform.*, **15**(2008), 191-194

C39. L.D. Lemle, L^∞-uniqueness of Schrödinger operators on a Riemannian manifold, *Differ. Geom. Dyn. Syst.*, **9**(2007), 103-110

C40. L.D. Lemle, Une étude comparative concernant les semi-groupe de classe C_0 et les semi-groupe intégrés, *Lect. mat.*, **26**(2005), 27-88

C41. L.D. Lemle, D.M. Stoica, An extension of Yosida approximation, *Annals of Faculty Engineering Hunedoara*, **3**(2005), 141-148

C42. L.D. Lemle, *Une formule exponentielle pour les semi-groupes intégrés,* Proceedings of the 10-th Symposium of Mathematics and its Applications, Timişoara, 2003, pp. 102-109

D. Lucrări publicate în reviste şi volume de conferinţe cu referenţi (neindexate)

Reviste

D1. L.D. Lemle, Y. Jiang, Bromwich's type representations for semigroups of linear operators, *The Cyprus J. Sci.*, **5**(2007), 107-125

Selecţie cu maximum 20 lucrări in volume de conferinţe

D2. L.D. Lemle, T. Bînzar, L.F. Pater, V. Bălăşoiu, *Riesz-Dunford representation theorem for uniformly continuous semigroups,* International Symposium on Engineering and Applied Management, Hunedoara, 2010, pp. 223-227

D3. L.F. Pater, **L.D. Lemle,** *A dynamic process model based on a functional equation,* International Symposium on Engineering and Applied Management, Hunedoara, 2010, pp. 161-164

D4. L.D. Lemle, *An elementary proof of Arendt's theorem for once-integrated semigroups,* Proceedings of the International Conference on Theory and Applications of Mathematics and Informatics, Alba Iulia, 2009, pp. 247-255

D5. L.D. Lemle, V. Alexa, C. Grigore, *Aplicaţii ale proceselor Markov în fiabilitate,* A IX-a Conferinţă Naţională Multidisciplinară „Profesorul Dorin Pavel – fondatorul hidroenergeticii româneşti, Sebeş, 2009, pp. 661-666

D6. L.D. Lemle, Y. Jiang, *Hille-Yosida theorem for C_0-semigroups on the dual of a Banach space*, Lucrările Ştiinţifice ale Simpozionul Internaţional Multidisciplinar "Universitaria SIMPRO 2008", Petroşani, 2008, pp. 16-18

D7. L.D. Lemle, Y. Jiang, *L^∞-uniqueness of weak solutions for some heat diffusions equations*, Proceedings of the Eleventh Symposium of Mathematics and its Applications, Rom. Acad., Timişoara, 2006, pp. 174-179

D8. L.D. Lemle, Y. Jiang, *Strongly continuous semigroups generated by a non-densely defined operator*, Lucrările Ştiinţifice ale Simpozionul Internaţional Multidisciplinar "Universitaria SIMPRO 2006", Petroşani, 2006, pp. 15-18

D9. L.D. Lemle, Y. Jiang, *Note on Hille-Yosida theorem,* Lucrările Ştiinţifice ale Simpozionul Internaţional Multidisciplinar "Universitaria SIMPRO 2005", Petroşani, 2005, pp. 27-30

D10. L.D. Lemle, I. Muscalagiu, T. Vasiu, *A comparative study for the determination of the parameters of a Weibull repartition,* Istraživanje i Razvoj Mašinskih Elementa i Sistema – IRMES 2002, Univerzitet u Srpskom Sarajevu, 2002, pp. 493-497

E. Brevete

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