

LISTA DE LUCRĂRI – Pascu Mihai

Only papers (selected)

- 1) Hypoelliptic operators in Denjoy-Carleman classes, *Rev. Roumaine Math. Pures Appl.*, 30(1985), 131-145
- 2) The existence and the asymptotic completeness of wave operators associated to some elliptic pseudodifferential operators(with G.Arsu), *Rev. Roumaine Math. Pures Appl.*, 33(1988), 483-493
- 3) A time dependent proof of the asymptotic completeness for simply characteristic operators and general short range perturbations, *Rev. Roumaine Math. Pures Appl.*, 34(1989), 317-328
- 4) Asymptotic completeness of the wave operators for simply characteristic operators and long-range potentials by Enss's method, *J. Diff. Equations.*, 89(1991), 154-175
- 5) Some remarks on the proof of asymptotic completeness for long-range magnetic fields, *Rev. Roumaine Math. Pures Appl.*, 38(1993), 853-860
- 6) Existence of wave operators for a class of Stark like Hamiltonians, *Rev. Roumaine Math. Pures Appl.*, 41(1996), 273-280
- 7) Global resolvent estimates for multiplication operators(with M. Mantoiu), *J. Operator Theory*, 36(1996), 283-294
- 8) Remarks on the structure of the elementary solution of Laplacian on an analytic Riemannian manifold of even dimension, *Buletinul UPG Ploiești*, 52, 1 (2000), 27-36
- 9) Perturbations of magnetic Schrödinger operators (with M. Mantoiu), *Lett. Math. Physics*, 54 (2000), 181-192
- 10) On the essential spectrum of the relativistic magnetic Schrödinger operator, *Osaka J. Math.*, 39, 4 (2002), 963-978
- 11) On the exterior problem for the heat convection equation (with T. Boaca), *Math. Reports*, 5(55), 3 (2003), 251-262
- 12) Nonparametric estimates of the hazard rate: a survey (with I. Văduva), *Rev. Roum. Math. Pures Appl.*, 48 (2003) 173-191
- 13) Classes of infinite order pseudodifferential operators, *Buletinul UPG Ploiești, seria mat-inf-fiz.*, LIX, 2 (2007), 1-16
- 14) On the topology of Gelfand-Shilov-Roumieu spaces, *Buletinul UPG Ploiești, seria mat-inf-fiz.*, LX, 1 (2008), 11-18
- 15) Modulation spaces with exponentially increasing weights, *Buletinul UPG Ploiești, seria mat-inf-fiz.*, LX, 2 (2008), 5-9
- 16) Time-frequency analysis of Gelfand-Shilov-Roumieu spaces, *Buletinul UPG Ploiești, seria mat-inf-fiz.*, LXI, 1 (2009), 23-30
- 17) On the definition of Gelfand-Shilov spaces, *Analele Universității din București, seria Matematica*, LIX, 1, 2010, 125-133
- 29) *Boundedness for pseudodifferential calculus on nilpotent Lie groups* (with I. Beltita and D. Beltita), *Geometric methods in Physics*, editors: P. Kielanowski, S. Twareque Ali, A. Odesski, A. Odziejewicz, M. Schlichenmaier, Th. Voronov,

Birkhäuser, Basel, 2013, pag. 87-97, ISBN 978-3-0348-0645-9, proceedings of Geometric methods in Physics, XXXI Workshop, Białowieża, Poland, June 24-30, 2012;

30) *Melin calculus on homogeneous Lie groups - Seminar notes*, Preprint series, Institute of Mathematics of the Romanian Academy, No. 2, 2013, pp. 23;

31) On the characterization of Gelfand-Shilov-Roumieu spaces, *Journal of Operator Theory*, 72, 2 (2014), pp. 475 – 485;

32) Weyl-Pedersen calculus for some semidirect products of nilpotent Lie groups, (with I Beltita and D Beltita), *Differential geometry and its applications*, 40, 2015, 278-289.

Books (university courses)

- 1) *Ecuții Diferențiale*, editura Universității “Petrol-Gaze” din Ploiești, 1999 -first edition, 2004 – second edition;
- 2) *Ecuții cu Derivate Parțiale*, Ploiești, 2001;
- 3) *Analiză Matematică I*, editura Universității “Petrol-Gaze” din Ploiești, 2007;
- 4) *Analiză Matematică II*, editura Universității “Petrol-Gaze” din Ploiești, 2008.