

PUBLICATIONS¹

Ingrid Beltiță

- (1) I. BELTIȚĂ, Spectral theory for Schrödinger operators with boundary conditions on a half-space, *Rev. Roum. de Math. Pures et Appl.* no.7-8 (1998).
- (2) I. BELTIȚĂ, Inverse scattering in a layered medium, *C.R. Acad. Sci. Paris, Sér. I*, **329** (1999), p. 927-932.
- (3) I. BELTIȚĂ, Inverse scattering in a layered medium, *Commun. Partial Differ. Equations* **26** (2001), No. 9-10, 1739-1786.
- (4) I. BELTIȚĂ, On an abstract radiation condition. In RIMS Kukyuroku 1028, Spectral and Scattering Theory and Related Topics (2001).
- (5) I. BELTIȚĂ, H.D. CORNEAN, On a theorem of Arne Persson. *Cubo* **6** (2004), No. 2, 1-14.
- (6) I. BELTIȚĂ, A note on an inverse scattering problem for the Helmholtz equation on the line. arXiv: 0511401, 2005.
- (7) I. BELTIȚĂ, A. MELIN, Multilinear singular integral operators in backscattering. In *Mathematical Modeling of Wave Phenomena: 2nd Conference on Mathematical Modeling of Wave Phenomena*. AIP Conference Proceedings, Volume **834**, pp. 225-233, 2006.
- (8) I. BELTIȚĂ, A. MELIN, Local smoothing for the backscattering transform. *Commun. Part. Diff. Equations* **34** (2009), 233-256.
- (9) I. BELTIȚĂ, A. MELIN, Analysis of the quadratic term in the backscattering transformation. *Math. Scand.* **105**, No. 2 (2009), 218-234.
- (10) I. BELTIȚĂ, A. MELIN, The quadratic contribution to the backscattering transform in the rotation invariant case. *Inverse Problem and Imaging* **4** (2010) , No. 4, 619-630.
- (11) I. BELTIȚĂ, D. BELTIȚĂ, Magnetic pseudo-differential Weyl calculus on nilpotent Lie groups. *Annals of Global Analysis and Geometry* **36** (2009), no. 3, 293-322
- (12) I. BELTIȚĂ, D. BELTIȚĂ, A survey on Weyl calculus for representations of nilpotent Lie groups. In: S.T.Ali, P. Kielanowski, A. Odzijewicz, M. Schlichenmaier, Th. Voronov (eds.), *Proceedings of the XXVIII Workshop on Geometric Methods in Physics*, AIP Conf. Proc., Amer. Inst. Phys., Melville, NY, 2009.
- (13) I. Beltiță, D. Beltiță, Uncertainty principles for magnetic structures on certain coadjoint orbits. *Journal of Geometry and Physics* **60** (2010), No. 1, 81-95.
- (14) I. BELTIȚĂ, D. BELTIȚĂ, Smooth vectors and Weyl-Pedersen calculus for representations of nilpotent Lie groups. *Annals of the University of Bucharest (mathematical series)* **1 (LIX)** (2010), no. 1, 17-46.
- (15) I. BELTIȚĂ, D. BELTIȚĂ, On Weyl calculus in infinitely many variables. In: P. Kielanowski, V. Buchstaber, A. Odzijewicz, M. Schlichenmaier, Th. Voronov (eds.), *XXIX Workshop on Geometrical Methods in Physics*, AIP Conf. Proc., Amer. Inst. Phys., 1307, Melville, NY, 2010, pp. 19-26.
- (16) I. BELTIȚĂ, D. BELTIȚĂ, Continuity of magnetic Weyl calculus. *Journal of Functional Analysis* **260** (2011), no. 7, 1944-1968
- (17) I. BELTIȚĂ, D. BELTIȚĂ, Modulation spaces of symbols for representations of nilpotent Lie groups. *Journal of Fourier Analysis and Applications* (to appear).
- (18) I. BELTIȚĂ, D. BELTIȚĂ, Algebras of symbols associated with the Weyl calculus for Lie group representations. *Preprint* arXiv:1008.2935v1 [math.FA].

¹Last updated on January 31, 2011

Books translated into Romanian

- (1) R.A. HORN, CH.R. JOHNSON, *Analiza Matricială*, Texte Matematice Esențiale, vol. 2, Theta Publishing House, Bucharest, 2001. xiv + 466 pp. (Translation by I. Beltiță, D. Beltiță, and R.-N. Gologan.) (The original book *Matrix Analysis* was published by Cambridge University Press.)
- (2) R. TYRRELL ROCKAFELLAR, *Analiză Convexă*, Texte Matematice Esențiale, vol. 4, Theta Publishing House, Bucharest, 2002. xviii + 370 pp. (Translation by I. Beltiță and D. Beltiță.) (The original book *Convex Analysis* was published by Princeton University Press.)