

PUBLICATIONS

1. *Using Taylor's formula in computing some limits*, Gazeta Matematică **7-8** (1992).
2. *Remarks on extremely disconnected spaces*, Proceedings of the Students Scientific Conference, Iași, (1994).
3. *A remarkable class of groupoids and some problems concerning groups of subsets*, Algebraic hyperstructures and applications (Iași, 1993), Hadronic Press, Palm Harbor, FL, (1994), 231-235.
4. *Identities involving the Fibonacci sequence deduced by matrix analysis* (with C. Cocea), Gazeta Matematică **6** (1995).
5. *A sufficient condition involving sets of strictly increasing functions*, Proceedings of the Students Scientific Conference, Iași, (1995).
6. *Functional differential equations with delay in Hilbert spaces*, An. Științ. Univ. Al.I.Cuza Iași, Sect. I a Mat. 41 (1995), **1** (1996), 169-175.
7. *Periodic solutions for nonlinear wave equations*, B.A. Thesis, Univ. Al.I.Cuza, Iași, (1997).
8. *A local well-posedness result for the quasilinear wave equation in \mathbb{R}^{2+1}* (Ph.D. Thesis, Princeton University, 2002), Comm. Partial Differential Equations **29** (2004), 323-360.
9. *An analysis of recursively defined continuous functions* (with M. Magno), Proceedings of the UCLEADS Research and Leadership Symposium, UCLA, (2004).
10. *Dispersive estimates for wave equations with rough coefficients* (with D. Tataru), Comm. Partial Differential Equations **30** (2005), 849-880.
11. *Universal microfluidic gradient generator* (with D. Irimia and M. Toner), Anal. Chem. **78** (2006), 3472-3477.
12. *A phase space transform adapted to the wave equation* (with D. Tataru), Comm. Partial Differential Equations **32** (2007), 1065-1101.
13. *Gradient NLW on curved background in 4 + 1 dimensions* (with D. Tataru), Internat. Math. Res. Notices **2008** (2008), rnn108-58.
14. *A remark on an equation of wave maps type with variable coefficients*, to appear in Math. Res. Lett., (2008).
15. *Nonconcentration of energy for a wave map type equation* (with S. Rajeev) (preprint), in submission, (2008).