

# Elenco delle pubblicazioni

Laura Valentina Spinolo

1. **Vanishing viscosity solutions of a  $2 \times 2$  triangular hyperbolic system with Dirichlet conditions on two boundaries**  
Indiana University Mathematics Journal, 56, 2007, pagine 279-364.
2. **The boundary Riemann solver coming from the real vanishing viscosity approximation** (con Stefano Bianchini)  
Archive for Rational Mechanics and Analysis, 191, 2009, n. 1, pagine 1-96.
3. **Some new well-posedness results for continuity and transport equations, and applications to the chromatography system** (con Luigi Ambrosio, Gianluca Crippa e Alessio Figalli)  
SIAM Journal on Mathematical Analysis, Volume 41, Issue 5, pagine 1890-1920 (2009)
4. **An overview on some results concerning the transport equation and its applications to conservation laws** (con Gianluca Crippa)  
Communications on Pure and Applied Analysis. In attesa di stampa.
5. **Invariant manifolds for viscous profiles of a class of mixed hyperbolic-parabolic systems** (con Stefano Bianchini).  
Pagine 419-429 in “Hyperbolic Problems: Theory, Numerics and Applications”, *Proceedings of Symposia in Applied Mathematics*, volume 67, AMS, Providence, 2009.
6. **A connection between viscous profiles and singular ODEs** (con Stefano Bianchini)  
Rendiconti dell'Istituto di Matematica dell'Universita' di Trieste. Volume 41 (2009), pagine 35-41.

7. **Notes on the study of the viscous approximation of hyperbolic problems via ODE analysis**  
Rivista di Matematica della Università di Parma. In attesa di stampa.
  
8. **Existence and uniqueness results for the continuity equation and applications to the chromatography system** (con Luigi Ambrosio, Gianluca Crippa e Alessio Figalli)  
In attesa di stampa in “Nonlinear Conservation Laws and Applications”, *IMA Volume in Mathematics and its Applications*, Springer, New York.
  
9. **Invariant manifolds for a singular ordinary differential equation** (con Stefano Bianchini)  
J. Differential Equations. Accettato.
  
10. **A uniqueness criterion for viscous limits of boundary Riemann problems**  
(con Cleopatra Christoforou)  
Submitted.
  
11. **On the self-similar, zero viscosity limit for a boundary Riemann problem**  
(con Cleopatra Christoforou)  
Preprint.