October 2026

Complete list of publications of Paolo Rinaldi

Preprints

1. Two-Dimensional Euclidean Free Fermi Fields from Grassmannian Stochastic Analysis ,
(with C. Dappiaggi, F.C. De Vecchi and P. Falzoni),
Arxiv:2610.26329 (2026)

2. Schauder estimates for germs of distributions on smooth manifolds,
(with B. Costeri, C. Dappiaggi and M. Savasta),
Arxiv:2602.19593 (2026)

Published Papers

1. *Stochastic Quantisation of the Fractional Φ^4_3 Model in the Full Subcritical Regime*,
(with P. Duch and M. Gubinelli),
Journal of the European Mathematical Society (2026).

2. *On the stochastic Sine-Gordon model: an interacting field theory approach*,
(with A. Bonicelli, C. Dappiaggi),
Communications in Mathematical Physics, Vol. 405, 288 (2024).

3. *A microlocal investigation of stochastic partial differential equations for spinors with an application to the Thirring model*,
(with A. Bonicelli, B. Costeri and C. Dappiaggi),
Mathematical Physics, Analysis and Geometry, Vol. 27, 16 (2024)

4. *Besov Wavefront Set*,
(with C. Dappiaggi, F. Sclavi),
Analysis and Mathematical Physics, 13:95 (2023) DOI 10.1007/s13324-023-00857-z.

5. *On a Microlocal Version of Young's Product Theorem*,
(with C. Dappiaggi, F. Sclavi),
Manuscripta Mathematica (2023), DOI 10.1007/s00229-023-01510-6

6. *An Algebraic and Microlocal Approach to the Stochastic Non-Linear Schrödinger Equation*,
(with A. Bonicelli, C. Dappiaggi),
Annales Henri Poincaré **24**, 2443–2482 (2023).

7. *A Microlocal Approach to Renormalization in Stochastic PDEs*,
(with C. Dappiaggi, N. Drago, L. Zambotti),
Communications in Contemporary Mathematics, (2022), Vol. 24, Issue 07, 2150075.

8. *Reconstruction Theorem for Germs of Distributions on Smooth Manifolds*,
(with F. Sclavi),
Journal of Mathematical Analysis and Applications, Vol 501, Issue 2 (2021).

9. *The algebra of Wick polynomials of a scalar field on a Riemannian manifold*,
(with C. Dappiaggi, N. Drago),
Reviews in Mathematical Physics, Vol. 32, No. 08 2050023 (2020).

10. *Ricci Flow from the Renormalization of Nonlinear Sigma Models in the Framework of Euclidean Algebraic Quantum Field Theory*,
(with M. Carfora, C. Dappiaggi, N. Drago)
Communications in Mathematical Physics 374, 241-276 (2020).