Publications
Roland Donninger

Publications in peer-reviewed journals


11. Athanasios Chatzikaleas, Roland Donninger, and Irfan Glogić. On blowup of co-
rotational wave maps in odd space dimensions. *Journal of Differential Equations*

12. Roland Donninger. Strichartz estimates in similarity coordinates and stable blowup

13. Matthew Creek, Roland Donninger, Wilhelm Schlag, and Stanley Snelson. Linear
stability of the Skyrmion. *International Mathematics Research Notices* 8:2497–
2537, 2017.

14. Annegret Y. Burtscher and Roland Donninger. Hyperboloidal evolution and global
dynamics for the focusing cubic wave equation. *Communications in Mathematical

15. Ovidiu Costin, Roland Donninger, and Irfan Glogić. Mode stability of self-similar
wave maps in higher dimensions. *Communications in Mathematical Physics*

16. Ovidiu Costin, Roland Donninger, and Xiaoyue Xia. A proof for the mode stability

17. Roland Donninger and Birgit Schörkhuber. On blowup in supercritical wave equa-

18. Roland Donninger and Joachim Krieger. A vector field method on the distorted
Fourier side and decay for wave equations with potentials. *Memoirs of the American
Mathematical Society* 241(1142), 2016.

of self-similar solutions to nonlinear wave equations. *Communications in Mathem-

20. Roland Donninger, Joachim Krieger, Jérémie Szeftel, and Willie Wong. Codi-
mension one stability of the catenoid under the vanishing mean curvature flow in

21. Roland Donninger and Birgit Schörkhuber. A spectral mapping theorem for per-
turbed Ornstein-Uhlenbeck operators on $L^2(\mathbb{R}^d)$. *Journal of Functional Analysis*

22. Roland Donninger. Erratum to: Asymptotics and analytic modes for the wave
equation in similarity coordinates. *Journal of Evolution Equations* 15(1):251–252,
2015.

23. Roland Donninger. Stable self-similar blowup in energy supercritical Yang-Mills

24. Roland Donninger, Min Huang, Joachim Krieger, and Wilhelm Schlag. Exotic
blowup solutions for the $u^5$ focusing wave equation in $\mathbb{R}^3$. *Michigan Mathematical


**Other**
