

## Publications

Stefan Müller

### Preprints

- P5 B. Kleiner, S. Müller, X. Xie, Sobolev mappings and the spectral sequence for Rumin's filtration on the de Rham complex, arXiv:2205.04302.
- P4 B. Kleiner, S. Müller, X. Xie, Sobolev mappings between nonrigid Carnot groups, arXiv:2112.01866.
- P3 M. Krömer, S. Müller, Scaling of the elastic energy of small balls for maps between manifolds with different curvature tensors, arXiv:2103.15387
- P2 B. Kleiner, S. Müller, X. Xie, Pansu pullback and exterior differentiation for Sobolev maps on Carnot groups, arXiv:2007.06694.
- P1 B. Kleiner, S. Müller, X. Xie, Pansu pullback and rigidity of mappings between Carnot groups, arXiv:2004.09271

### Journal Articles

- J135 B. Kleiner, S. Müller, X. Xie, Sobolev mappings and the Rumin complex, Amer. J. Math. (to appear). arXiv:2101.04528
- J134 B. Kleiner, S. Müller, X. Xie, Rigidity of flag manifolds, Indiana Univ. Math. J. (to appear) arXiv:2201.01648.
- J133 S. Adams, S. Buchholz, R. Kotecký, S. Müller, Cauchy-Born rule from microscopic models with non-convex potentials, Mem. Amer. Math. Soc. (to appear) arXiv:1910.13564
- J132 S. Conti, G. Dolzmann, S. Müller, Optimal rigidity estimates for maps of a compact Riemannian manifold to itself, SIAM J. Math. Anal. **56** (2024), 8070–8095. arXiv 2402.06448
- J131 B. Kleiner, S. Müller, L. Székelyhidi, X. Xie, Rigidity of Euclidean product structure: breakdown for low Sobolev exponents, Comm. Pure Appl. Anal. **23** (2024), 1569–1607. arXiv 2403.20265
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- J127 S. Müller, C. Lienstromberg, Local strong solutions to a quasilinear degenerate fourth-order thin-film equation, NoDEA Nonlinear Differential Equations Appl. **27** (2020), no. 2, Paper No. 16, 28 pp. arXiv 1910.07852

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- J124 S. Müller and F. Schweiger Estimates for the Green’s function of the discrete bilaplacian in dimensions 2 and 3 Vietnam J. Math. **47** (2019), 133–181. arXiv 1712.02587
- J123 S. Conti, S. Müller and M. Ortiz, Data-driven elasticity, Arch. Rat. Mech. Anal. **229**(2018), 79–123. arXiv 1708.02880
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