

### Tobias Holck Colding: Publications

1. T.H. Colding and W.P. Minicozzi II, Jesse Douglas, preprint.
2. T.H. Colding and W.P. Minicozzi II, Singularities and diffeomorphisms, Notices of the International Consortium of Chinese Mathematicians, Vol. 10, No. 1 (2022), pp. 112–116.
3. T.H. Colding, Evolution of form and shape, Proceedings of the ICM 2022, to appear.
4. T.H. Colding and W.P. Minicozzi II, Singularities of Ricci flow and diffeomorphisms, preprint.
5. T.H. Colding and W.P. Minicozzi II, Parabolic frequency on manifolds, IMRN, to appear.
6. T.H. Colding and W.P. Minicozzi II, In search of stable geometric structures, Notices of the AMS, Vol. 66, no. 11 (2019) 1785–1791.
7. T.H. Colding and W.P. Minicozzi II, Regularity of elliptic and parabolic systems, Annales scientifiques de l’Ecole normale supérieure, to appear.
8. T.H. Colding and W.P. Minicozzi II, Complexity of parabolic systems, Publ. Math. Inst. Hautes Etudes Sci. 132 (2020) 83–135.
9. T.H. Colding and W.P. Minicozzi II, Liouville properties, ICCM Not. 7 (2019), no. 1, 16–26.
10. T.H. Colding, D. Gabai, and D. Ketover, Geometric methods in Heegaard theory (with appendix by T.H. Colding and D. Gabai), Surveys in Differential Geometry, Vol. 25, No. 1 (2020), 33–70.
11. T.H. Colding and W.P. Minicozzi II, Optimal bounds for ancient caloric functions, Duke Math. J. 170 (2021), no. 18, 4171–4182.
12. T.H. Colding and W.P. Minicozzi II, Wandering singularities, J. Differential Geom., 119 (2021) 403 – 420.
13. T.H. Colding and W.P. Minicozzi II, Dynamics of closed singularities, Annales de l’Institut Fourier, Annales de l’Institut Fourier, Tome 69 (2019) no. 7, 2973–3016.
14. T.H. Colding and W.P. Minicozzi II, Analytical properties for degenerate equations. Geometric Analysis, In Honor of Gang Tian’s 60th Birthday, Progress in Mathematics series by Birkhauser. Editors: Jingyi Chen, Peng Lu, Zhiqin Lu, and Zhou Zhang, Vol. 333, (2020) 57–70.
15. T.H. Colding and W.P. Minicozzi II, Arnold-Thom gradient conjecture for the arrival time, Comm. Pure and Appl. Math, 72 (2019), no. 7, 1548–1577.

16. T.H. Colding and W.P. Minicozzi II, Sharp frequency bounds for eigenfunctions of the Ornstein-Uhlenbeck operator, *Calculus of Variations and Partial Differential Equations*, 57 (2018) no. 5, Art. 138.
17. T.H. Colding and W.P. Minicozzi II, Regularity of the level set flow, *Comm. Pure and Appl. Math*, Vol. 71, Issue 4 (2018) 814–824.
18. T.H. Colding and W.P. Minicozzi II, Level Set Method for motion by mean curvature, *Notices of the AMS*, (2016) Vol. 63, No. 10, 1148–1153.
19. T.H. Colding and W.P. Minicozzi II, Committee ranking, preprint.
20. T.H. Colding, D. Gabai and D. Ketover, On the classification of Heegaard splittings, *Duke Math. J.*, Vol. 167, No. 15 (2018) 2833–2856.
21. T.H. Colding and W.P. Minicozzi II, Differentiability of the arrival time, *Comm. Pure and Appl. Math*, Vol. LXIX, (2016) 2349–2363.
22. T.H. Colding and D. Gabai, Effective Finiteness of irreducible Heegaard splittings of non Haken 3-manifolds, *Duke Math. J.*, Vol. 167, No. 15 (2018) 2793–2832.
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24. T.H. Colding and W.P. Minicozzi II, Lojasiewicz inequalities and applications, *Surveys in Differential Geometry*, Vol. 19 Regularity and evolution of nonlinear equations Essays dedicated to Richard Hamilton, Leon Simon, and Karen Uhlenbeck, International Press (2015), 63–82.
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26. T.H. Colding, T. Ilmanen and W.P. Minicozzi II, Rigidity of generic singularities of mean curvature flow, *Publ. Math. Inst. Hautes Etudes Sci.* 121 (2015), 363–382.
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28. T.H. Colding, W.P. Minicozzi, and E.K. Pedersen, Mean curvature flow. *Bull. Amer. Math. Soc. (N.S.)* 52 (2015), no. 2, 297–333.
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30. T.H. Colding and W.P. Minicozzi II, Monotonicity and its analytic and geometric implications, *Proc. Natl. Acad. Sci. USA*, 110 (2013) no. 48 19233–19236.

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