

Bibliography

- [1] S. Altschuler, S. Angenent, and Y. Giga. Mean curvature flow through singularities for surfaces of rotation. *J. Geom. Anal.*, 5(3):293–358, 1995.
- [2] S. B. Angenent and J. J. L. Velázquez. Degenerate neckpinches in mean curvature flow. *J. Reine Angew. Math.*, 482:15–66, 1997.
- [3] M. Athanassenas. Volume-preserving mean curvature flow of rotationally symmetric surfaces. *Comment. Math. Helv.*, 72(1):52–66, 1997.
- [4] G. Barles, S. Biton, M. Bourgoing, and O. Ley. Uniqueness results for quasilinear parabolic equations through viscosity solutions’ methods. *Calc. Var.*, 18:159–179, 2003.
- [5] R. Bartnik. Existence of maximal surfaces in asymptotically flat space-times. *Comm. Math. Phys.*, 94(2):155–175, 1984.
- [6] K. Brakke. *The motion of a surface by its mean curvature*, volume 20 of *Mathematical Notes*. Princeton University Press, Princeton, N.J., 1978.
- [7] J. Buckland. Mean curvature flow with free boundary on smooth hypersurfaces. *J. Reine Angew. Math.*, 586:71–90, 2005.
- [8] K. Ecker. Geometric evolution equations. Unpublished notes.
- [9] K. Ecker. *Regularity theory for mean curvature flow*. Progress in Non-linear Differential Equations and their Applications, 57. Birkhäuser Boston Inc., Boston, MA, 2004.
- [10] K. Ecker and G. Huisken. Mean curvature evolution of entire graphs. *Ann. of Math.* (2), 130(3):453–471, 1989.
- [11] K. Ecker and G. Huisken. Interior estimates for hypersurfaces moving by mean curvature. *Invent. Math.*, 105(3):547–569, 1991.
- [12] J. Escher and G. Simonett. The volume preserving mean curvature flow near spheres. *Proc. Amer. Math. Soc.*, 126(9):2789–2796, 1998.

- [13] D. Gilbarg and N. Trudinger. *Elliptic partial differential equations of second order*. Classics in Mathematics. Springer-Verlag, Berlin, 2001.
- [14] G. Huisken. Flow by mean curvature of convex surfaces into spheres. *J. Differential Geom.*, 20(1):237–266, 1984.
- [15] G. Huisken. Asymptotic behavior for singularities of the mean curvature flow. *J. Differential Geom.*, 31(1):285–299, 1990.
- [16] O. A. Ladyženskaja, V. A. Solonnikov, and N. N. Ural'ceva. *Linear and quasilinear equations of parabolic type*. Translated from the Russian by S. Smith. Translations of Mathematical Monographs, Vol. 23. American Mathematical Society, Providence, R.I., 1967.
- [17] G. Perelman. The entropy formula for the ricci flow and its geometric applications. *arXiv:math.DG/0211159v1*, 2002.
- [18] G. Perelman. Ricci flow with surgery on three-manifolds. *arXiv:math.DG/0909109*, 2003.
- [19] M. Simon. Mean curvature flow of rotationally symmetric surfaces. Master's thesis, Australian National University, ??
- [20] N. Stavrou. Selfsimilar solutions to the mean curvature flow. *J. Reine Angew. Math.*, 499:189–198, 1998.