

- A. Kelly and B. Nagy, "[Reactive Nonholonomic Trajectory Generation via Parametric Optimal Control](#)," The International Journal of Robotics Research, vol. 22, no. 7, pp. 583–601, 2003. This paper discusses the math behind generating spirals to desired terminal states.
- A. Piazzzi and C. G. L. Bianco, "[Quintic G/sup 2/-splines for trajectory planning of autonomous vehicles](#)," Proceedings of the IEEE Intelligent Vehicles Symposium 2000 (Cat. No.00TH8511). This paper discusses the math behind generating quintic splines to desired terminal states.
- M. Mcnaughton, C. Urmson, J. M. Dolan, and J.-W. Lee, "[Motion planning for autonomous driving with a conformal spatiotemporal lattice](#)," 2011 IEEE International Conference on Robotics and Automation, 2011. This paper introduces the concepts behind generating a conformal spatiotemporal lattice for on-road motion planning.