

Assignments for Meeting on Jan. 26, 2021 (1/2)

- ▶ Read Chapters 3–4 in LaValle, S. M., *Planning Algorithms*, Cambridge University Press, Cambridge, UK, 2006.
- ▶ Read Chapter 15.3 in LaValle, S. M., *Planning Algorithms*, Cambridge University Press, Cambridge, UK, 2006.
- ▶ Scan the paper Dubins, L. E., "On curves of minimal length with a constraint on average curvature, and with prescribed initial and terminal positions and tangents", *American Journal of Mathematics*, 79(3), 497–516, 1957. DOI: <https://doi.org/10.2307/2372560>

Assignments for Meeting on Jan. 26, 2021 (2/2)

- ▶ Implement the computation of the shortest path for the Dubins' vehicle, given an initial configuration and another desired goal configuration. Validate your implementation against another available library (several available online both for Matlab and Python).
- ▶ **Next meeting: Tuesday January 26, 2021, at 15:15 in Zoom.**
- ▶ Lecture responsibility: Faseeh Ahmad.