

參考文獻

- [1] T. Lozano-Pérez and M. A. Wesley, "An algorithm for planning collision-free paths among polyhedral obstacles," *ACM Communications*, vol. 22, no. 10, pp. 560-570, 1979.
- [2] T. Lozano-Pérez, "Spatial planning: a configuration space approach," *IEEE Trans. on Computers*, vol. C-32, no. 2, pp. 108-120, Feb. 1983.
- [3] T. Lozano-Pérez, "A simple motion-planning algorithm for general robot manipulator," *IEEE Journal of Robotics and Automation*, vol. RA-3, no. 3, pp. 224-238, Jun. 1987.
- [4] L. E. Kavraki, P. Švestka, J. C. Latombe, and M. H. Overmars, "Probabilistic roadmaps for path planning in high-dimensional configuration spaces," *IEEE Trans. on Robotics and Automation*, vol. 12, no. 4, pp. 566-580, Aug. 1996.
- [5] R. Brooks and T. Lozano-Pérez, "A subdivision algorithm in configuration space for findpath with rotation," *IEEE Trans. on Systems, Man, Cybernetics*, vol. 15, no. 2, pp. 224-233, 1985.
- [6] O. Khatib, "Real-time obstacle avoidance for manipulators and mobile robots," *Intl. Journal of Robotics Research*, vol. 5, no. 1, pp. 90-98, Spring 1986.
- [7] J. C. Latombe, "Motion planning: A journey of robots, molecules, digital actors, and other artifacts," *Intl. Journal of Robotics Research - Special Issue on Robotics at the Millennium*, vol. 18, no. 11, pp. 1119-1128, Nov. 1999.
- [8] Y. K. Hwang and N. Ahuja, "Gross motion planning a survey," *ACM Computing Surveys*, vol. 24, no. 3, pp. 219-291, 1992.
- [9] W. Henning, F. Hickman, and H. Choset, "Motion planning for serpentine robots," in *Proc. ASCE Space and Robotics*, pp. 1-7, 1998.
- [10] T. Laliberté and C. Gosselin, "Efficient algorithms for the trajectory planning for redundant manipulators with obstacle avoidance," in *Proc. IEEE Intl. Conf. Robotics and Automation*, 1994.

- [11] J. Barraquand, L. Kavraki, J. C. Latombe, T. Y. Li, R. Motwani, and P. Raghavan, "A random sampling scheme for path planning," *Intl. Journal of Robotics Research*, vol. 16, no. 6, pp. 759-774, Dec. 1997.
- [12] M. G. Park and M. C. Lee, "Real-time path planning in unknown environment and a virtual hill concept to escape local minima," in *Proc. Annual Conf. of IEEE Industrial Electronics Society*, vol. 3, pp. 2223-2228, Nov. 2004.
- [13] F. G. Ding, P. Jiao, X. Q. Bian, and H. J. Wang, "AUV local path planning based on virtual potential field," in *Proc. IEEE Intl. Conf. on Mechatronics and Automation*, vol. 4, pp. 1711-1716, 2005.
- [14] S. S. Ge and Y. J. Cui, "New potential functions for mobile robot path planning," *IEEE Trans. on Robotics and Automation*, vol. 16, pp. 615-620, Oct. 2000.
- [15] J. H. Chuang, C. C. Lin, and L. W. Kuo, "Potential-based path planning for robot manipulators," in *Proc. IEEE Intl. Conf. on Method and Models in Automation and Robotics*, pp. 1031-1036, 2002.
- [16] J. H. Chuang, "Potential-based modeling of three-dimensional workspace of the obstacle avoidance," *IEEE Trans. on Robotics and Automation*, vol. 14, no. 5, pp. 778-785, 1998.
- [17] J. C. Trinkle and R. J. Milgram, "Complete path planning for closed kinematic chains with spherical joints," *Intl. Journal of Robotics Research*, vol. 21, no. 9, pp. 773-789, Sep. 2002.
- [18] W. J. Lenhart and S. H. Whitesides, "Reconfiguring simple polygons," *Discrete and Computational Geometry*, 1994.
- [19] G. F. Liu and J. C. Trinkle, "Complete path planning for planar closed chains among point obstacles," in *Proc. Robotics: Science and Systems*, 2005.
- [20] J. H. Yakey, S. M. LaValle, and L. E. Kavraki, "Randomized path planning for linkages with closed kinematic chains," *IEEE Trans. on Robotics and Automation*, vol. 17, no. 6, pp. 951-958, 2001.

- [21] J. Cortés, T. Siméon, and J. P. Laumond, “A randomized loop generator for planning the motions of closed kinematic chains using PRM methods,” in *Proc. IEEE Intl. conf. Robotics and Automation*, vol. 2, pp. 2141-2146, 2002.
- [22] L. Han, “Hybrid probabilistic roadmap - Monte Carlo motion planning for closed chain systems with spherical joints,” in *Proc. IEEE Intl. conf. Robotics and Automation*, vol. 1, pp. 920-926, 2004.
- [23] J. H. Chuang and N. Ahuja, “Shape representation using a generalized potential field model,” *IEEE Trans. Pattern Analysis and Machine Intelligence*, vol. 19, pp. 169-176, 1997.
- [24] D. R. Wilton, S. M. Rao, A. W. Glisson, D. H. Schaubert, O. M. Al-Bundak, and C. M. Butler, “Potential integrals for uniform and linear source distributions on polygonal and polyhedral domains,” *IEEE Trans. Antennas and Propagation*, AP-32, no. 3, pp. 276-281, Mar. 1984.

