

Original paper:

A. B. Ádám, L. Kocsány and E. G. Szádeczky-Kardoss, "From Coverage Path Planning to parking lot exploration," 2020 23rd International Symposium on Measurement and Control in Robotics (ISMCR), Budapest, Hungary, 2020, pp. 1-6, doi: 10.1109/ISMCR51255.2020.9263739.

Current paper:

A. B. Ádám, L. Kocsány and E. G. Szádeczky-Kardoss, " Using Coverage Path Planning methods for parking lot exploration"

Extensions

- A review of parking assistant systems has been added (Section 2)
- The formulation of the parking lot exploration problem has been added (Section 3)
- The coverage path planning methods are illustrated by figures (Section 4)
- More traversal methods are presented in a different map (Section 5)
- The planned traversals are compared based on the step number, the cell visitedness ratio, the number of visiting each cell and the cost function (Section 7)