

## 11 References

- [1] PAN, Jia a Dinesh MANOCHA. Efficient Configuration Space Construction and Optimization for Motion Planning. *Engineering* [online]. 2015, 1(1), 046–057. ISSN 2095-8099. Dostupné z: doi:10.15302/J-ENG-2015009
- [2] *Rendering in napari - napari* [online]. [vid. 2021-02-21]. Dostupné z: <https://napari.org/docs/dev/explanations/rendering.html>
- [3] HORNING, Armin, Kai M. WURM, Maren BENNEWITZ, Cyrill STACHNISS a Wolfram BURGARD. OctoMap: an efficient probabilistic 3D mapping framework based on octrees. *Autonomous Robots* [online]. 2013, 34(3), 189–206. ISSN 0929-5593, 1573-7527. Dostupné z: doi:10.1007/s10514-012-9321-0
- [4] GRUSHKO, Stefan, Aleš VYSOCKÝ, Vyomkesh Kumar JHA, Robert PASTOR, Erik PRADA, Lubica MIKOVÁ a Zdenko BOBOVSKÝ. Tuning perception and motion planning parameters for Moveit! framework [online]. 2020 [vid. 2021-04-11]. ISSN 1803-1269. Dostupné z: doi:10.17973/MMSJ.2020\_11\_2020064
- [5] VYSOCKÝ, Ales a Petr NOVÁK. Human - Robot collaboration in industry. *MM Science Journal* [online]. 2016, 2016, 903–906. Dostupné z: doi:10.17973/MMSJ.2016\_06\_201611
- [6] KALPAGAM GANESAN, Ramsundar, Yash K. RATHORE, Heather M. ROSS a Heni BEN AMOR. Better Teaming Through Visual Cues: How Projecting Imagery in a Workspace Can Improve Human-Robot Collaboration. *IEEE Robotics Automation Magazine* [online]. 2018, 25(2), 59–71. ISSN 1558-223X. Dostupné z: doi:10.1109/MRA.2018.2815655
- [7] ROSEN, Eric, David WHITNEY, Elizabeth PHILLIPS, Gary CHIEN, James TOMPKIN, George KONIDARIS a Stefanie TELLEX. Communicating Robot Arm Motion Intent Through Mixed Reality Head-mounted Displays. *arXiv:1708.03655 [cs]* [online]. 2017 [vid. 2021-02-25]. Dostupné z: <http://arxiv.org/abs/1708.03655>
- [8] *Augmented Reality-based Robot Trajectory Programming | Designing for People* [online]. [vid. 2021-02-25]. Dostupné z: <https://dfp.ubc.ca/project/augmented-reality-based-robot-trajectory-programming>
- [9] CHOLEWIAK, Roger W. a Amy A. COLLINS. Vibrotactile localization on the arm: Effects of place, space, and age. *Perception & Psychophysics* [online]. 2003, 65(7), 1058–1077. ISSN 1532-5962. Dostupné z: doi:10.3758/BF03194834
- [10] *Removing outliers using a StatisticalOutlierRemoval filter — Point Cloud Library 0.0 documentation* [online]. [vid. 2021-03-06]. Dostupné z: [https://pcl.readthedocs.io/projects/tutorials/en/latest/statistical\\_outlier.html](https://pcl.readthedocs.io/projects/tutorials/en/latest/statistical_outlier.html)
- [11] PAN, Jia, Sachin CHITTA a Dinesh MANOCHA. FCL: A general purpose library for collision and proximity queries. In: *2012 IEEE International Conference on Robotics and Automation: 2012 IEEE International Conference on Robotics and Automation* [online]. 2012, s. 3859–3866. ISSN 1050-4729. Dostupné z: doi:10.1109/ICRA.2012.6225337
- [12] *Analysis of Variance | Circulation* [online]. [vid. 2021-03-02]. Dostupné z: <https://www.ahajournals.org/doi/full/10.1161/circulationaha.107.654335>
- [13] JHA, Vyomkesh Kumar, Stefan GRUSHKO, Jakub MLOTEK, Tomáš KOT, Václav KRYS, Petr OŠČÁDAL a Zdenko BOBOVSKÝ. A depth image quality benchmark of three popular low-cost depth cameras [online]. 2020 [vid. 2021-04-13]. ISSN 1803-1269. Dostupné z: doi:10.17973/MMSJ.2020\_12\_2020057
- [14] GRUSHKO, Stefan, Tomáš SPURNÝ a Martin ČERNÝ. Control Methods for Transradial Prostheses Based on Remnant Muscle Activity and Its Relationship with Proprioceptive Feedback. *Sensors* [online]. 2020, 20(17), 4883. Dostupné z: doi:10.3390/s20174883
- [15] VYSOCKÝ, Aleš, Stefan GRUSHKO, Petr OŠČÁDAL, Tomáš KOT, Ján BABJAK, Rudolf JÁNOŠ, Marek SUKOP a Zdenko BOBOVSKÝ. Analysis of Precision and Stability of Hand Tracking with Leap Motion Sensor. *Sensors* [online]. 2020, 20(15), 4088. Dostupné z: doi:10.3390/s20154088
- [16] GRUSHKO, Stefan, Aleš VYSOCKÝ, Petr OŠČÁDAL, Michal VOCETKA, Petr NOVÁK a Zdenko BOBOVSKÝ. Improved Mutual Understanding for Human-Robot Collaboration: Combining Human-Aware Motion Planning with Haptic Feedback Devices for Communicating Planned Trajectory. *Sensors* [online]. 2021, 21(11), 3673. Dostupné z: doi:10.3390/s21113673