Code Project – C++ Programming II

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In the module Image-Guided Therapy Lab, a trajectory planning system was program in python. This python program allows the graphical display of a compact workspace for liver tumor ablation. Further information is in the Report *"Workspace optimization for a surgical robot for liver tumor ablatio - report - Nalet Meinen."*

The main work of the project is the rewriting of the code in C++. Further optimization with multithreading approaches will be part of the project. The trajectory planning, the evaluation of trajectories, is multithreading capable. Also, a GUI to display the planning steps is part of the result.

To conclude, the python prototype from the Image-Guided Therapy Lab will be in C++.