Task priority assignment with collision avoidance

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Why priority?

- Decomposition of problems in many tasks.
- Most problems can't be solved by just one task.
- Error is kept on the tasks that can't be executed **EXACTLY**
- More natural and smoother behavior.

Collision avoidance. How?

Control points

Figure of the KUKA and its control points

Tasks

Tasks: Cartesian positioning

Tasks: Link orientation

Tasks: Collision avoidance control points

Code

Results