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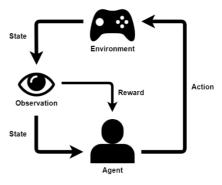
Use of Artificial Intelligence in Process-Planning and Machining (BA/SA/MA/IDP)

Initial situation

The use of artificial intelligence is becoming more and more important in process planning. Especially in complex hybrid process chains, e.g., in the production of additive manufacturing processes (WAAM) and their post-processing, there is great potential for applying computer-aided methods.

Objective

In the context of this work, literature research focuses on using artificial intelligence and reinforcement learning (RL). The objective is to investigate the methodology's potential and in the next step to build up a decision matrix for selecting the RL-Algorithm. Furthermore, the setup of the RL-Framework is possible.



Reinforcement Learning

Requirements

Interest in artificial intelligence methods, self-initiative, reliability, organized way of working, and very good knowledge of German and English.

Contact

M. Sc. Moritz Göldner Abt. Machine Tools Tel.: 089 / 289 15532 Moritz.Goeldner@iwb.tum.de