







Synergy-based affordance learning for robotic grasping

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Affordance learning using a self-organizing map

Once learnt, a partial input pattern can be matched with those in the affordance memory, and the closest complete pattern retrieved. As a result of the clustering algorithm, the SOM can generalise from presented input patterns to novel ones. After learning, this can be used to find the most appropriate motor commands to grasp an object described by any set of features.





