

Grasping Pattern Estimation Based on Co-occurrence of Object and Hand Shape

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- There is relationship between the function of an object and the hand shape when grasping the object.
- It is difficult to register the relationship between many objects and the corresponding hand shape in the machine.

OUR PROPOSAL

To automatically acquire the relationship by observing scenes of human grasping.

> We define the relationship with a descriptor called "Interaction Descriptor".

- \succ It represents a grasping image in 30 dimensions.
- Robot can recall the relationship between hand and object

OF DESCRIPTOR SPACE LEARNING



from the object shape.



2. MAKING HAND/OBJECT MASK IMAGES









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