

Configuration Synthesis and Structure Design of a Reconfigurable Robot for Muscle Strength Training

Jianfeng Li, Pengfei Zhang, Qiang Cao and Mingjie Dong

Faculty of Materials and Manufacturing Technology, Beijing University of Technology, China

Liwei Jiang

CSSC System Engineering Research Institute, China

- The configuration of muscle strength training device suitable for all joints was synthesized.
- A reconfigurable robot configuration was proposed for muscle strength training.
- The three-dimensional structure of the muscle strength training robot was designed.
- The reconfigurable simulation was carried out to verify the muscle strength training configuration.

