

Impedance Control for a novel Composite Modular Lower-Limb Hemiplegic Exoskeleton

Ruoyu Bao, Pengbo Li, Bailin He, Zhilong Su, Can Wang and Xinyu Wu

Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences, Shenzhen

- Proposes a control scheme based on impedance control to realise the smoothing control of the operating movements of the lower limb hemiplegic exoskeleton robot.
- Simplifies the control complexity of the whole system by means of a crank rocker structure of the ankle joint.

