Design and Test of an Electrohydraulic Control Device for Three-Chamber Soft Actuators

Tao Wang, Zhen Chen, and Shiqiang Zhu Ocean College, Zhejiang University, China

- An electrohydraulic control device with decoupling function is developed by using a swash plate mechanism.
- Stretched length, bending angle, and yaw angle of three-chamber soft actuators can be independently controlled.
- A prototype is fabricated and experimental results verify the effectiveness of the proposed concept.

