

Simplification of Dynamic Equations of a Nonholonomic Motion Transfer Mechanism

Wang Yong, Cui Jinchao, Xiao Jing and Zhang Huailing
School of Biomedical Engineering, Guangdong Medical University, China

- The simplification of the dynamic equations may be realized by simplifying the configuration space.
- The dynamic equations of first-order linear nonholonomic systems can be given by quasi-Newton's law.
- The dynamic equations of the motion transfer mechanism is reduced to the simplest form by quasi-coordinates.

