

The Ground Motion Dynamics Analysis of a Bionic Amphibious Robot with Undulatory Fins

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- A novel type of bionic undulatory fin robot is designed.
- The kinematics of undulatory fin is modeled based on the ruled surface model.
- The ground dynamics of undulatory fin is analyzed based on wheel dynamics.
- The research focus is verified through experiments.



The novel bionic robot with undulatory fins