



Aerial, Legged and Embodied Artificial Intelligence

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UAV Intelligence

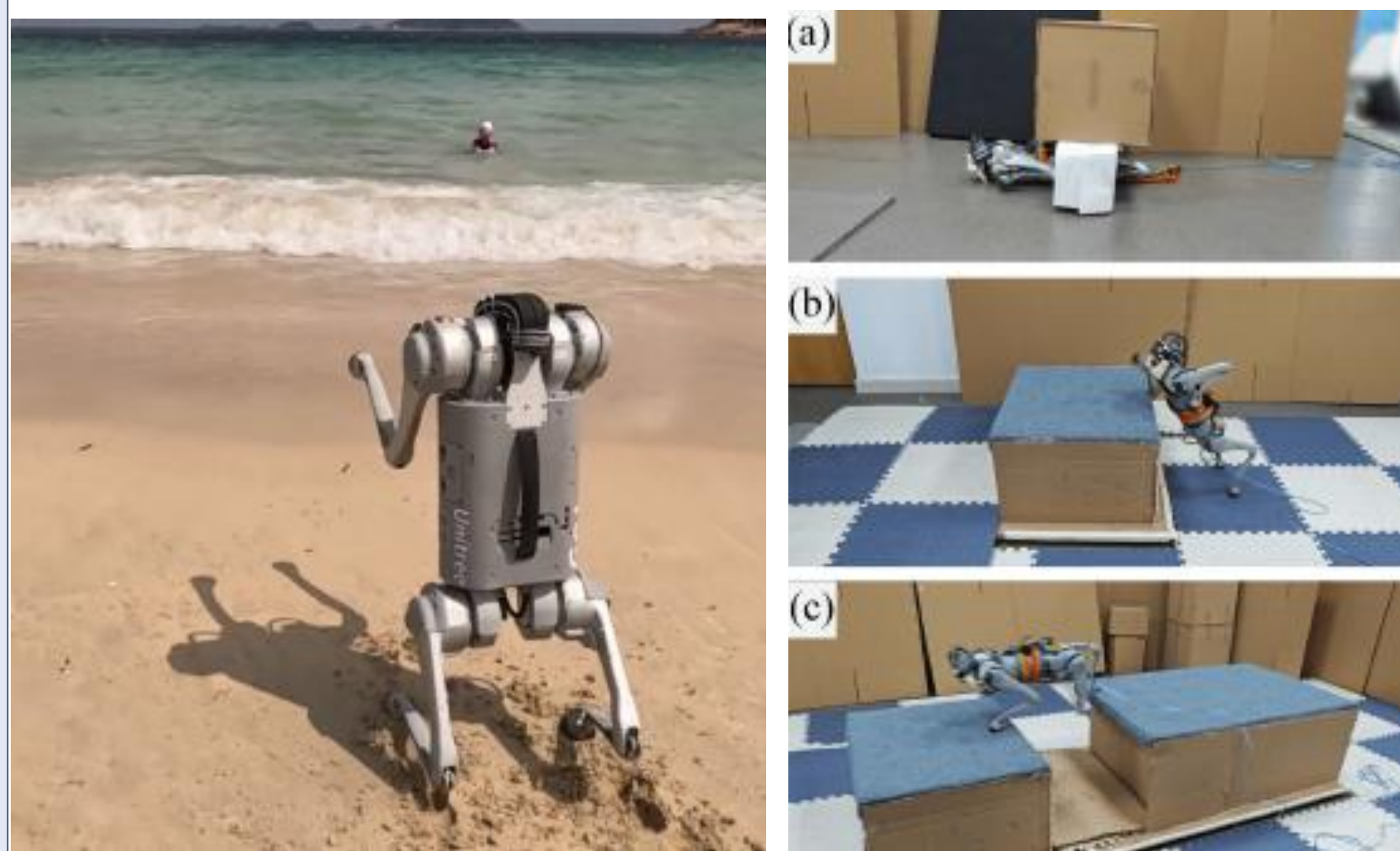


To enhance autonomous navigation, our drones are able to avoid obstacles, especially in highly dynamic and cluttered environments.



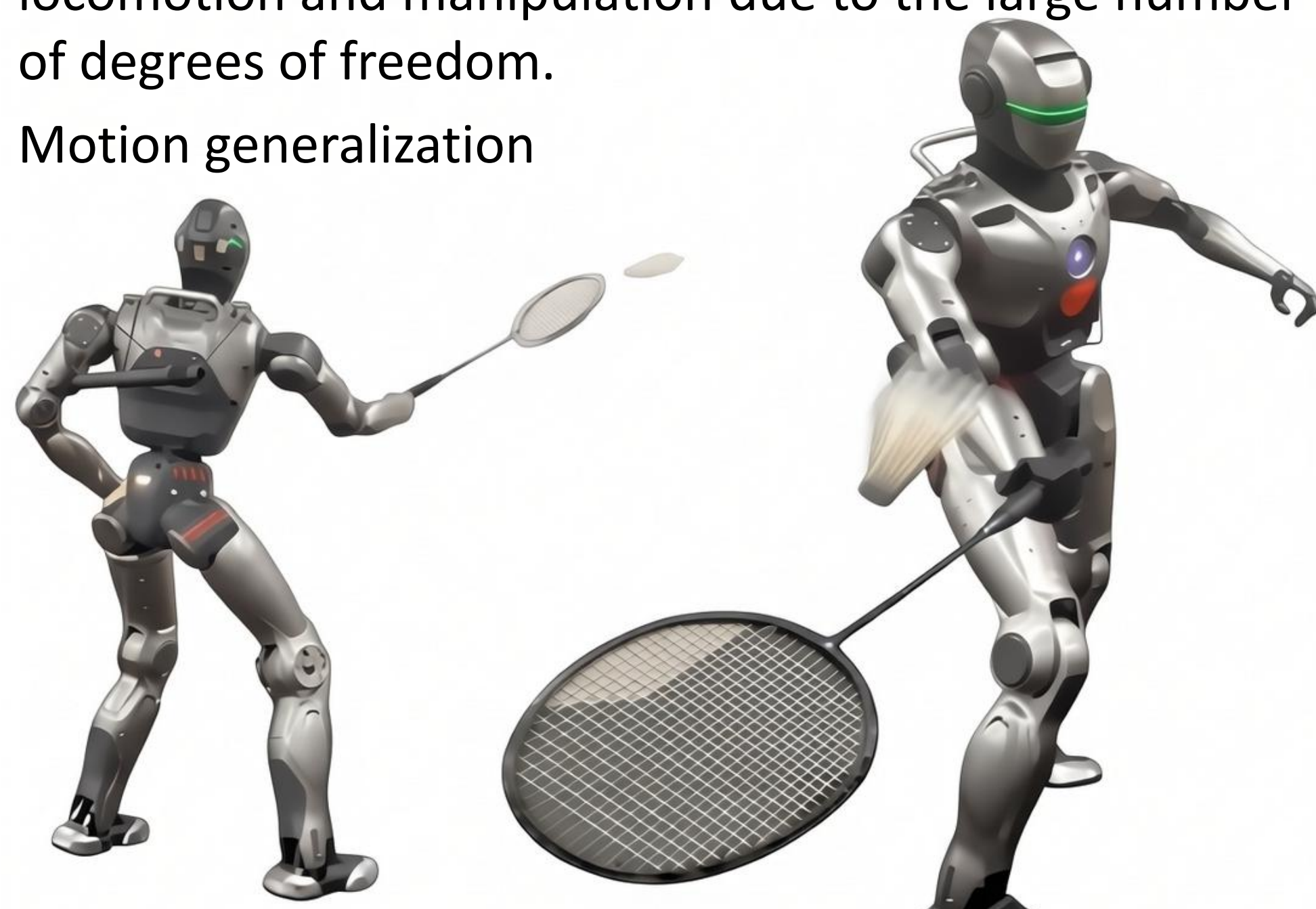
Legged robots

Quadrupedal robots have a great potential for inspection in hazardous environments.



Humanoid Robots are faced with great challenges in locomotion and manipulation due to the large number of degrees of freedom.

Motion generalization



Dexterous and Aerial Manipulation

Soft continuum arms have provided drones with a great potential for dexterous aerial manipulation. We have designed many prototypes, but these will NOT be the final ones.



Embodied Artificial Intelligence

- Humanoid robots, when equipped with dexterous hands and advanced learning-based techniques, have the potential to assist humans in many scenarios, ranging from housework to high-intensity industrial scenarios
- We have built humanoid robots and robotic hands. Will combine them.
- Currently, it is not clear what the feasible solutions are to realizing embodied artificial intelligence.

