

DESCRIPTION OF ADDITIONAL SUPPLEMENTARY FILES DOCUMENT

Supplementary Movie 1. Hardware experiments of Gait transition (Figure 7).

Supplementary Movie 2. Gap Crossing in Pybullet (Figure 3).

Supplementary Movie 3. Gap Crossing in Isaac-Gym, Reward function analysis (Figure 4).

Supplementary Movie 4. Gap Crossing in Pybullet, Observation space and gait coupling analysis, (Figure 5).

Supplementary Movie 5. Gap Crossing in Isaac-Gym, Small contact surface between gaps (Figure 8-a).

Supplementary Movie 6. Locomotion across small stepping stones (Figure 8-b).

Supplementary Movie 7. Locomotion across a net-like terrain(Figure 8-c).

Supplementary Movie 8. Locomotion across mixed stepping stones (Figure 8-d).