

A Flexible Lightweight Triboelectric Nanogenerator for Protector and Scoring System in Taekwondo Competition Monitoring

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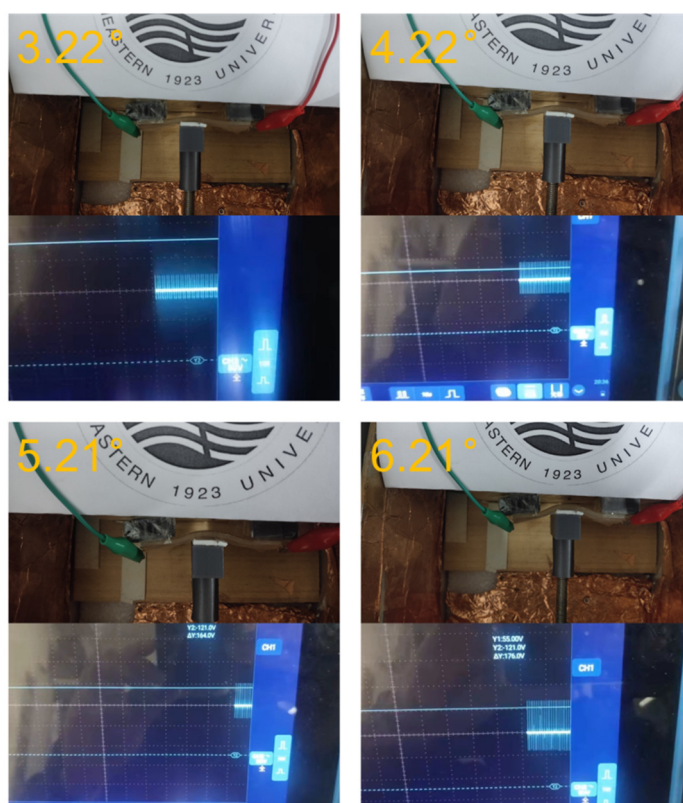


Figure S1. The angle test scenario photographs.

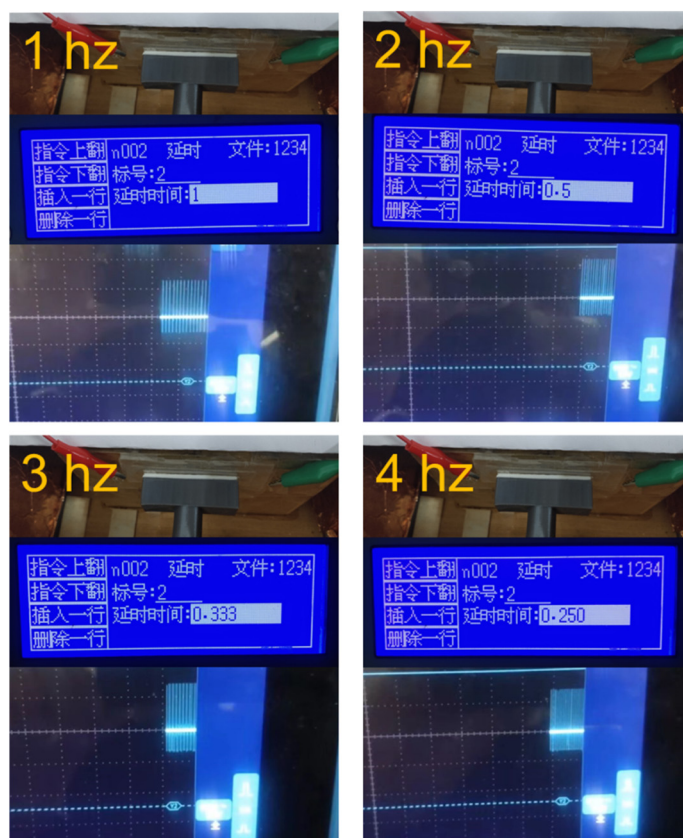


Figure S2. The frequency test scenario photographs.

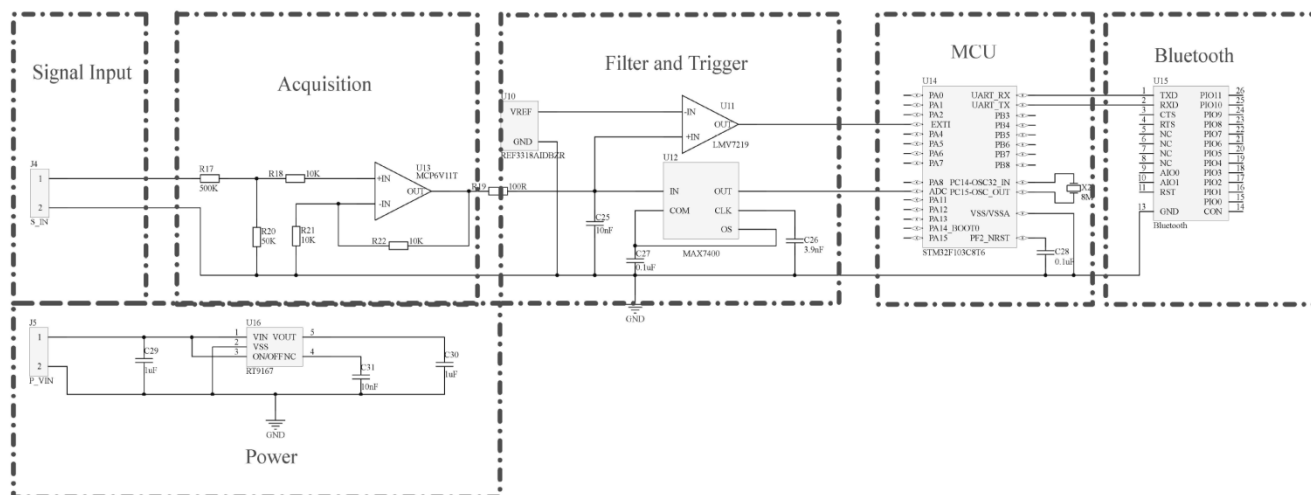


Figure S3: The circuit of unsportsmanlike action monitoring system.

Supplementary Video S1: Test of dot LED lamp for hydrogel electrode device and copper electrode device;

Supplementary Video S2: Wireless Bluetooth transmission system;

Supplementary Video S3: Turning kick test for male athletes;

Supplementary Video S4: Turning kick test for female athletes;

Supplementary Video S5: Male athlete 360° turning kick test;

Supplementary Video S6: Female athlete 360° turning kick test;

Supplementary Video S7: Back kick, side kick, and turning kick proficiency test for female athletes;

Supplementary Video S8: Test of unsportsmanlike action monitoring system.