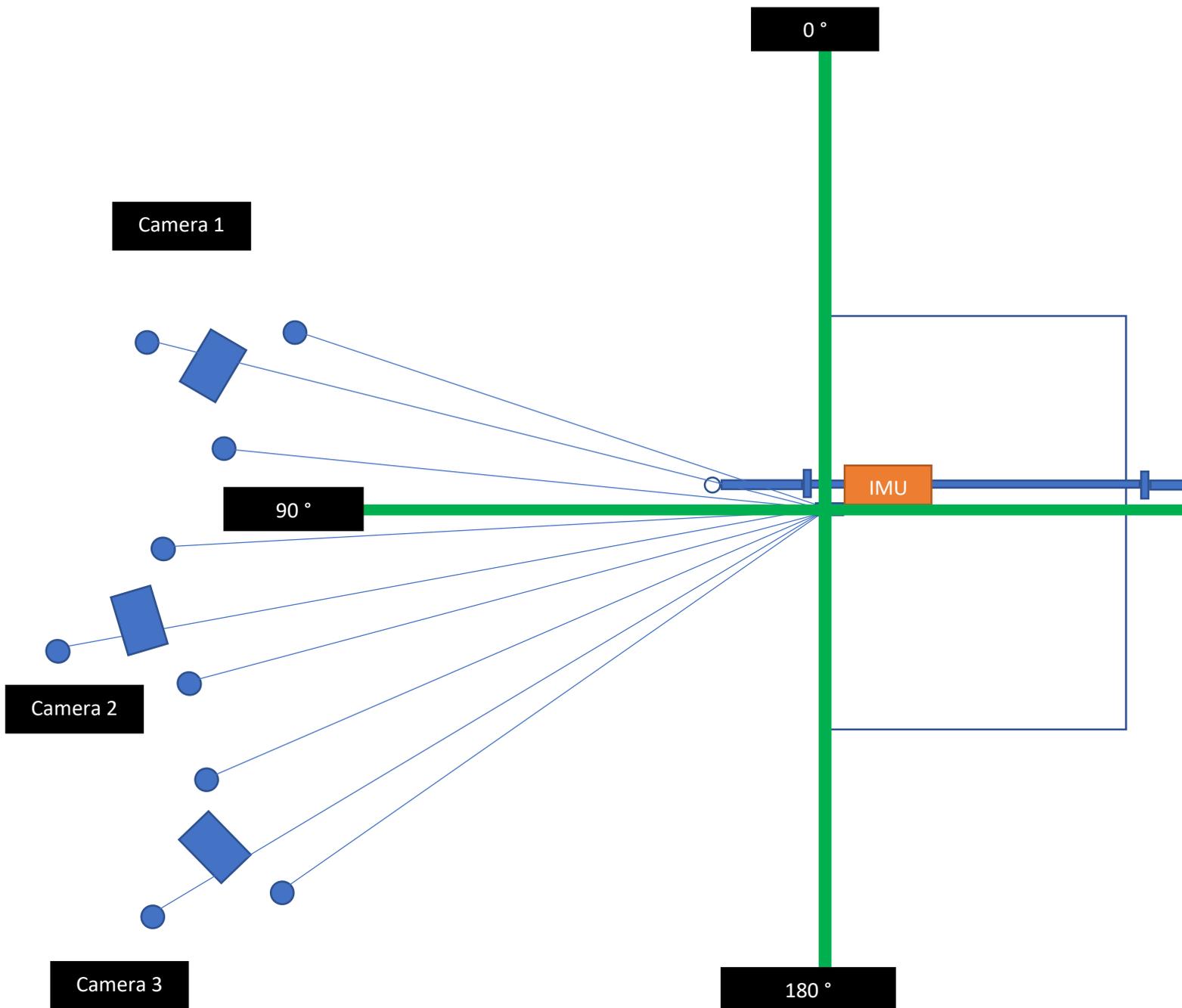


Supplementary Materials: Validation of Inertial Sensor to Measure Barbell Kinematics across a Spectrum of Loading Conditions

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Camera 1 foot placement: 3.96 m at 73 degrees, 4.76 m at 75 degrees, 4.32 m at 82 degrees

Camera 2 foot placement: 4.05 m at 110 degrees, 4.71 m at 100 degrees, 4.98 m at 112 degrees

Camera 3 foot placement: 5.04 m at 125 degrees, 4.62 m at 144 degrees, 5.58 m at 133 degrees

IMU placement on barbell just outside of hand placement, logo facing towards the ceiling

*Diagram not drawn to scale

Figure S1. Camera and IMU orientation.