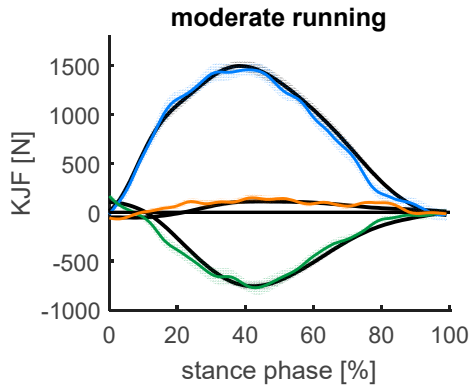
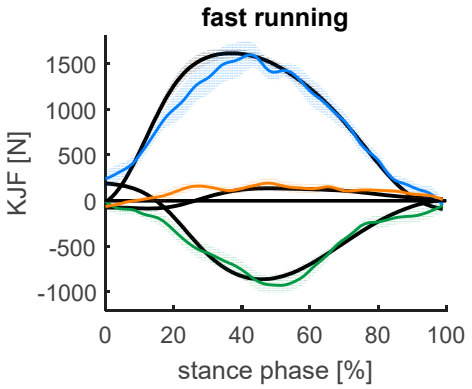
Supplementary Figures: Knee joint forces (KJF) time series of all movements

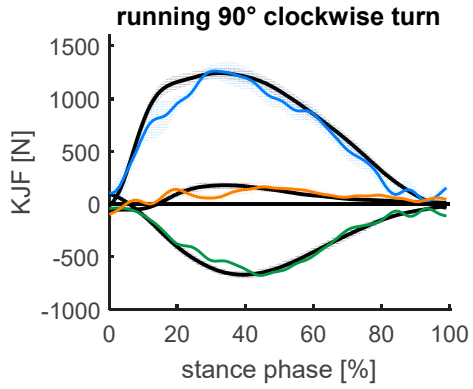
r: Pearson's correlation coefficient; rRMSE: relative root-mean-squared error; OLJ: one-leg jump; TLJ: two-leg jump; mean (standard deviation)



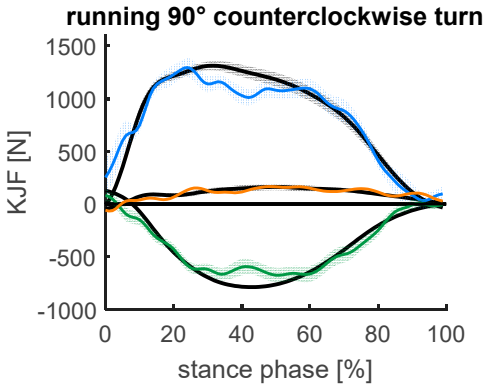
F_v, F_{ap} and F_{ml}
F_v^*; *r* = 0.94 (0.33), *rRMSE* = 14.2% (4.0%)
F_{ap}^*; *r* = 0.90 (0.30), *rRMSE* = 18.9% (5.5%)
F_{ml}^*; *r* = 0.43 (0.26), *rRMSE* = 41.7% (11.5%)



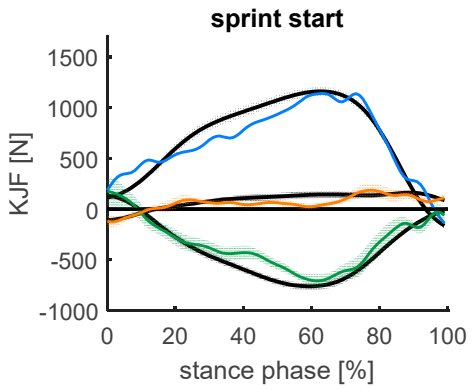
F_v, F_{ap} and F_{ml}
F_v^*; *r* = 0.89 (0.43), *rRMSE* = 20.3% (5.8%)
F_{ap}^*; *r* = 0.88 (0.44), *rRMSE* = 22.9% (9.5%)
F_{ml}^*; *r* = 0.42 (0.41), *rRMSE* = 43.3% (12.0%)



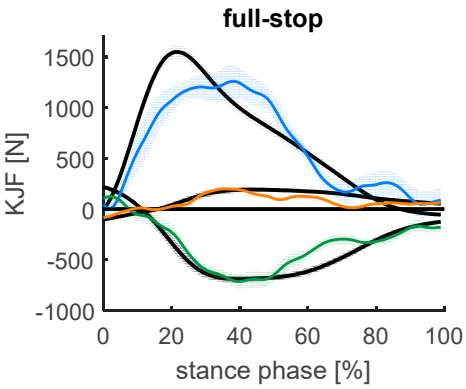
F_v, F_{ap} and F_{ml}
F_v^*; *r* = 0.89 (0.35), *rRMSE* = 17.2% (4.4%)
F_{ap}^*; *r* = 0.82 (0.36), *rRMSE* = 21.0% (6.5%)
F_{ml}^*; *r* = 0.38 (0.35), *rRMSE* = 36.6% (18.4%)



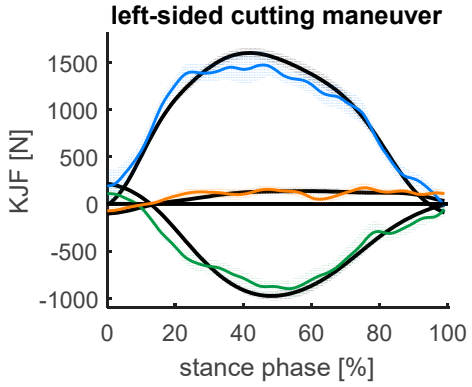
F_v, F_{ap} and F_{ml}
F_v^*; *r* = 0.87 (0.40), *rRMSE* = 17.5% (5.3%)
F_{ap}^*; *r* = 0.88 (0.43), *rRMSE* = 19.5% (8.1%)
F_{ml}^*; *r* = 0.37 (0.42), *rRMSE* = 37.2% (11.5%)



F_v, F_{ap} and F_{ml}
F^*_v; r = 0.73 (0.45), *rRMSE* = 25.9% (8.8%)
F^*_{ap}; r = 0.76 (0.40), *rRMSE* = 25.8% (9.3%)
F^*_{ml}; r = 0.31 (0.29), *rRMSE* = 43.3% (10.0%)

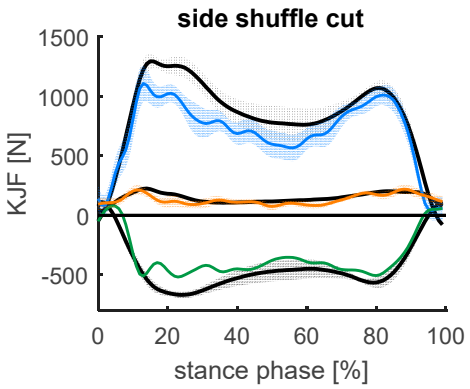


F_v, F_{ap} and F_{ml}
F^*_v; r = 0.78 (0.45), *rRMSE* = 24.7% (7.2%)
F^*_{ap}; r = 0.80 (0.34), *rRMSE* = 21.8% (7.5%)
F^*_{ml}; r = 0.45 (0.29), *rRMSE* = 37.7% (9.0%)

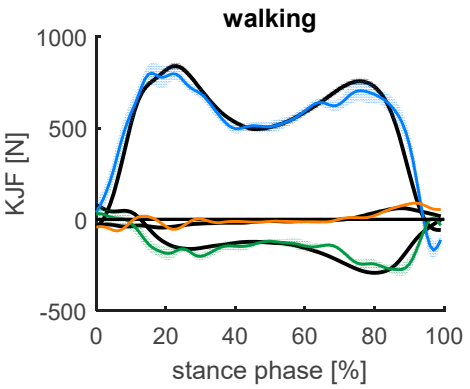


F_v, F_{ap} and F_{ml}
F^*_v; r = 0.86 (0.44), *rRMSE* = 19.4% (6.6%)
F^*_{ap}; r = 0.86 (0.41), *rRMSE* = 22.0% (7.3%)
F^*_{ml}; r = 0.30 (0.42), *rRMSE* = 44.8% (13.0%)

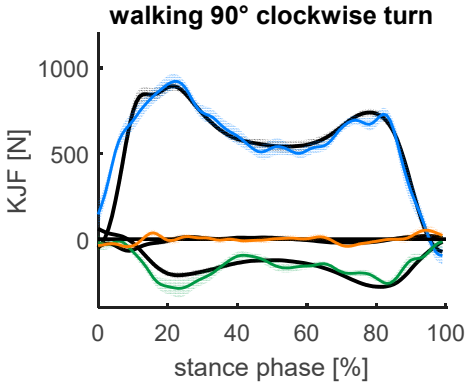
F_v, F_{ap} and F_{ml}
F^*_v; r = 0.86 (0.39), *rRMSE* = 19.0% (5.4%)
F^*_{ap}; r = 0.84 (0.35), *rRMSE* = 21.4% (5.2%)
F^*_{ml}; r = 0.25 (0.39), *rRMSE* = 45.7% (9.0%)



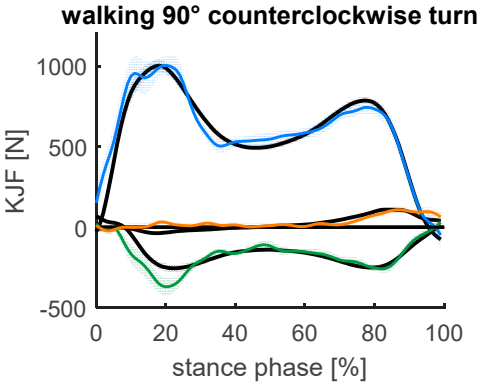
F_v, F_{ap} and F_{ml}
F^*_v; *r* = 0.79 (0.47), *rRMSE* = 20.3% (6.6%)
F^*_{ap}; *r* = 0.81 (0.43), *rRMSE* = 19.8% (5.9%)
F^*_{ml}; *r* = 0.35 (0.45), *rRMSE* = 36.5% (9.3%)



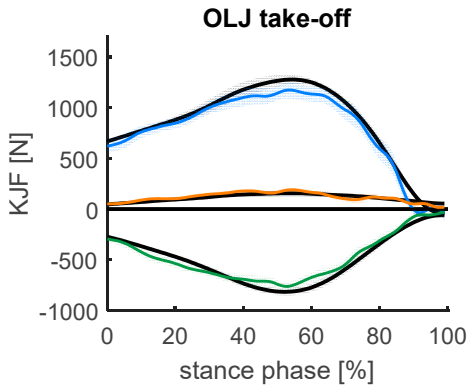
F_v, F_{ap} and F_{ml}
F^*_v; *r* = 0.87 (0.32), *rRMSE* = 14.2% (4.3%)
F^*_{ap}; *r* = 0.71 (0.39), *rRMSE* = 20.8% (5.6%)
F^*_{ml}; *r* = 0.60 (0.31), *rRMSE* = 27.7% (5.7%)



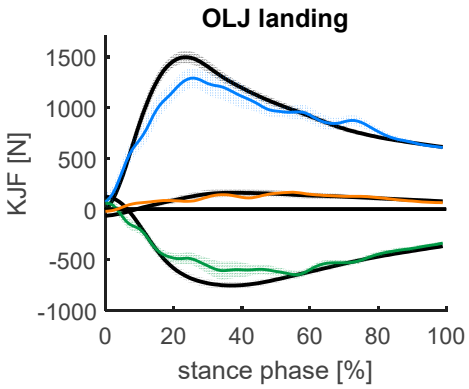
F_v, F_{ap} and F_{ml}
F^*_v; *r* = 0.81 (0.27), *rRMSE* = 16.9% (4.5%)
F^*_{ap}; *r* = 0.65 (0.31), *rRMSE* = 23.0% (6.2%)
F^*_{ml}; *r* = 0.31 (0.20), *rRMSE* = 34.1% (8.1%)



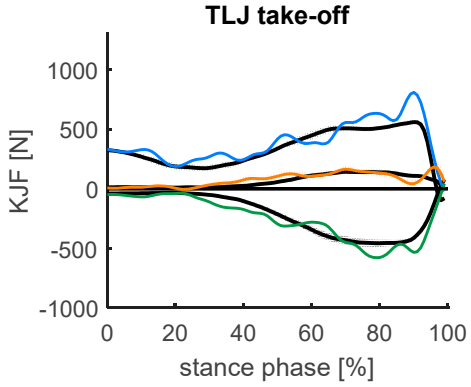
F_v, F_{ap} and F_{ml}
F^*_v; *r* = 0.83 (0.29), *rRMSE* = 15.3% (4.0%)
F^*_{ap}; *r* = 0.64 (0.30), *rRMSE* = 22.7% (5.8%)
F^*_{ml}; *r* = 0.48 (0.34), *rRMSE* = 29.1% (6.0%)



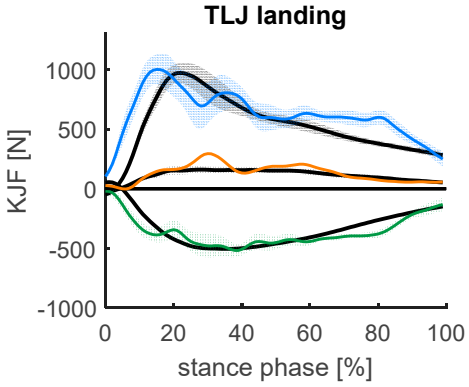
F_v, F_{ap} and F_{ml}
F^*_v; *r* = 0.92 (0.39), *rRMSE* = 15.4% (6.6%)
F^*_{ap}; *r* = 0.89 (0.25), *rRMSE* = 17.4% (5.5%)
F^*_{ml}; *r* = 0.31 (0.46), *rRMSE* = 45.9% (19.7%)



F_v, F_{ap} and F_{ml}
F^*_v; *r* = 0.84 (0.43), *rRMSE* = 16.7% (7.2%)
F^*_{ap}; *r* = 0.77 (0.53), *rRMSE* = 25.1% (9.4%)
F^*_{ml}; *r* = 0.42 (0.38), *rRMSE* = 39.0% (14.4%)



F_v, F_{ap} and F_{ml}
F^*_v; *r* = 0.60 (0.36), *rRMSE* = 23.0% (8.6%)
F^*_{ap}; *r* = 0.82 (0.40), *rRMSE* = 20.5% (7.4%)
F^*_{ml}; *r* = 0.51 (0.23), *rRMSE* = 27.8% (2.9%)



F_v, F_{ap} and F_{ml}
F^*_v; *r* = 0.61 (0.34), *rRMSE* = 25.9% (6.2%)
F^*_{ap}; *r* = 0.65 (0.36), *rRMSE* = 27.1% (5.5%)
F^*_{ml}; *r* = 0.54 (0.32), *rRMSE* = 37.6% (6.8%)