

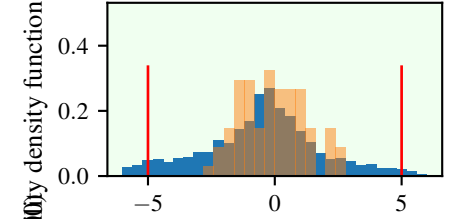
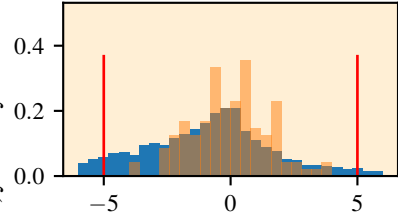
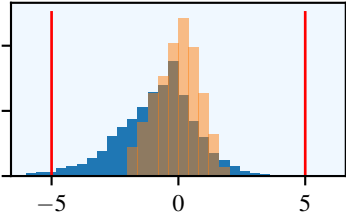
# transientAcceleration\_histogram for all\_types\_of\_terrain

— System limits, — Measured acceleration, — Theoretical acceleration

acceleration\_x on ice

acceleration\_x on gravel

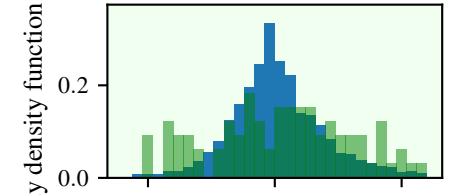
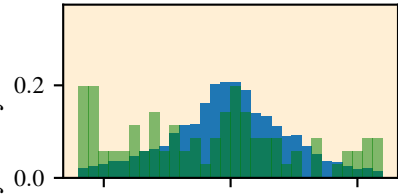
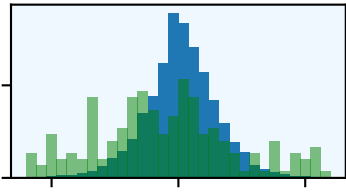
acceleration\_x on grass



imu\_acceleration\_x  
transient\_state

imu\_acceleration\_x  
transient\_state

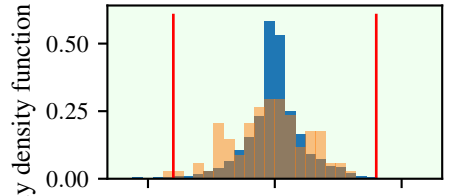
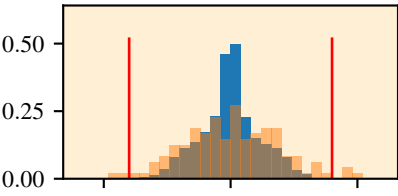
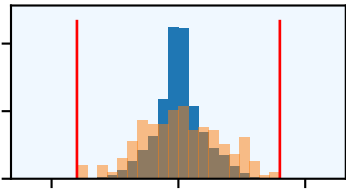
imu\_acceleration\_x  
transient\_state



acceleration\_y from  
imu\_acceleration\_y  
transient\_state

acceleration\_y from  
imu\_acceleration\_y  
transient\_state

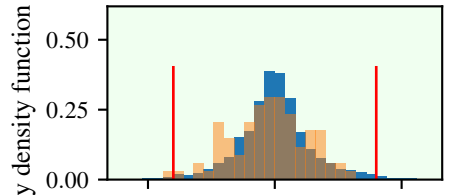
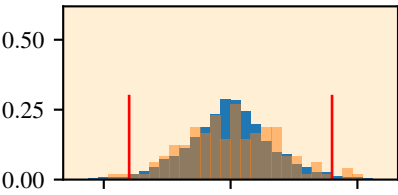
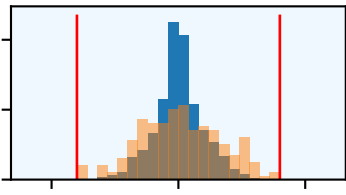
acceleration\_y from  
imu\_acceleration\_y  
transient\_state



acceleration\_yaw from  
step frame deriv\_vyaw acceleration  
transient\_state

acceleration\_yaw from  
step frame deriv\_vyaw acceleration  
transient\_state

acceleration\_yaw from  
step frame deriv\_vyaw acceleration  
transient\_state



imu\_deriv\_vyaw\_acceleration  
transient\_state

imu\_deriv\_vyaw\_acceleration  
transient\_state

imu\_deriv\_vyaw\_acceleration  
transient\_state

Probability density function (n = 7880)

Probability density function (n = 4800)

Probability density function (n = 3400)