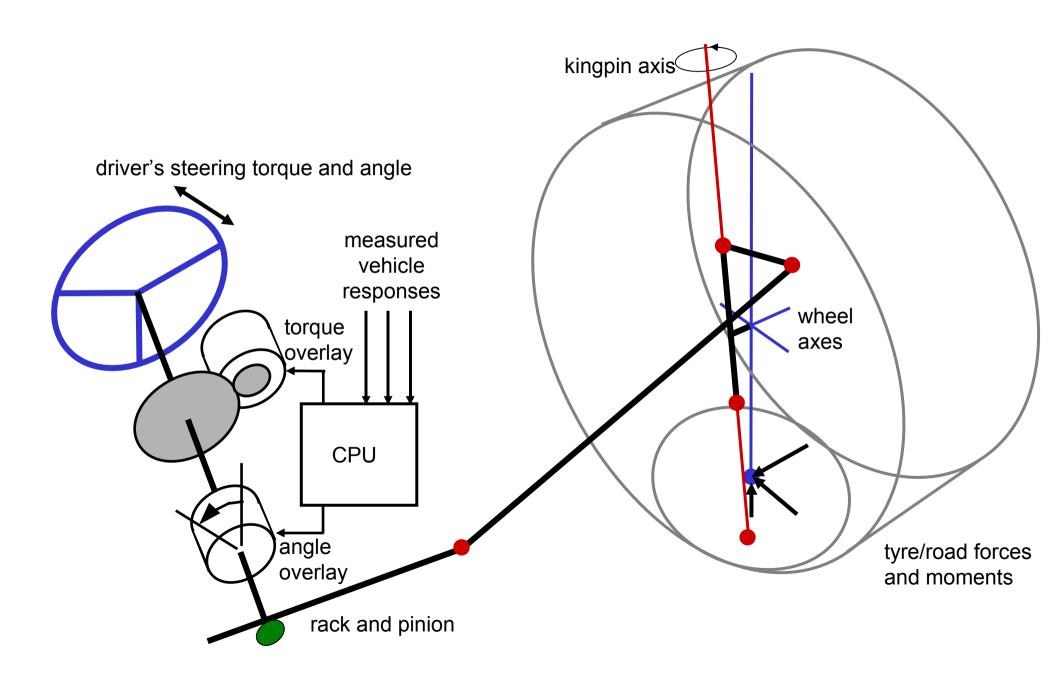
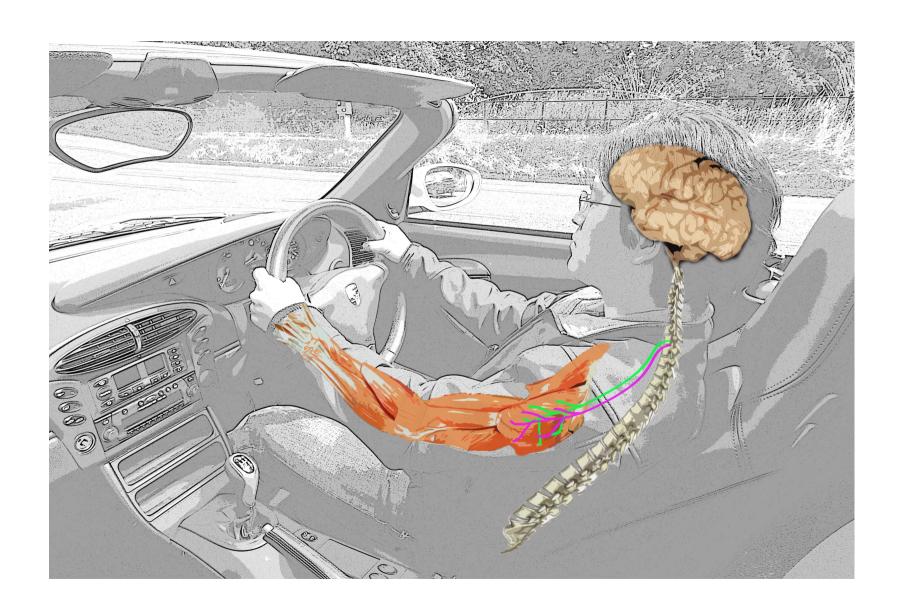
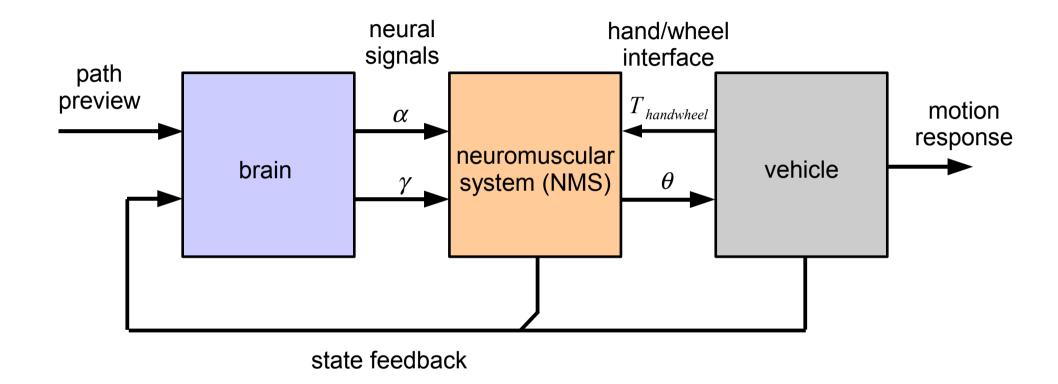
Steering feedback: modelling its effect on driver and vehicle

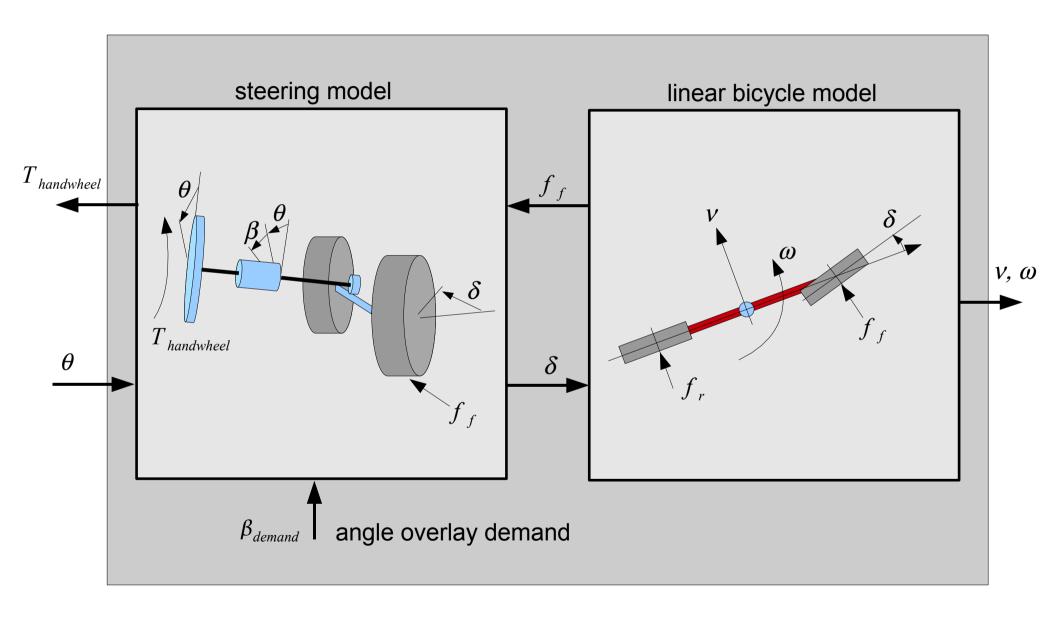
David Cole

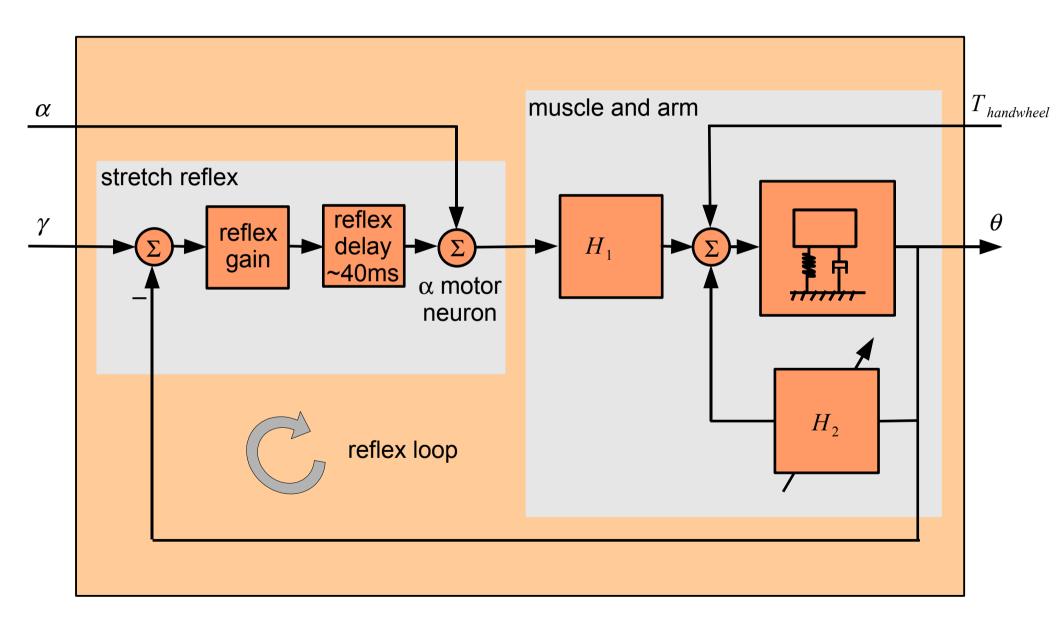
Driver-Vehicle Dynamics Group
Cambridge University Engineering Department
www.vehicledynamics.org



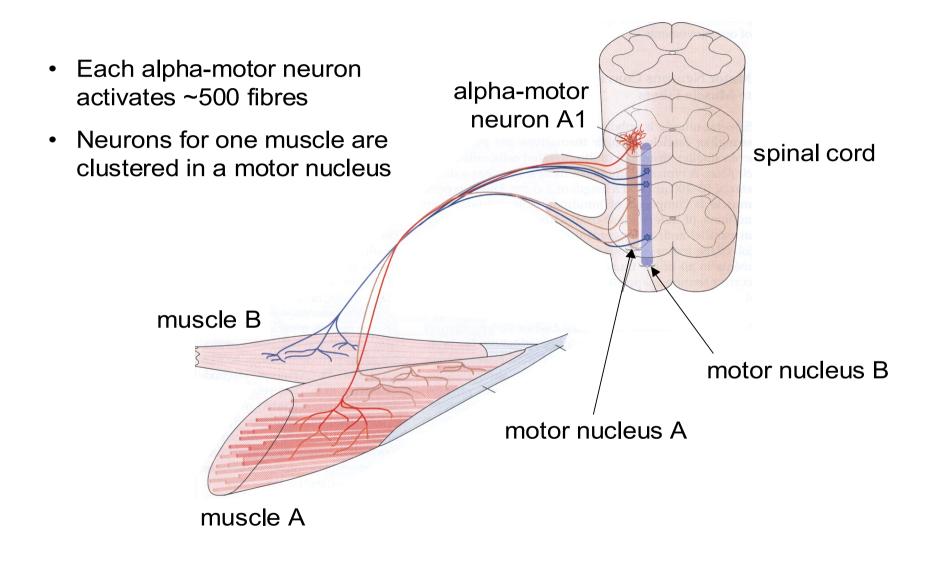


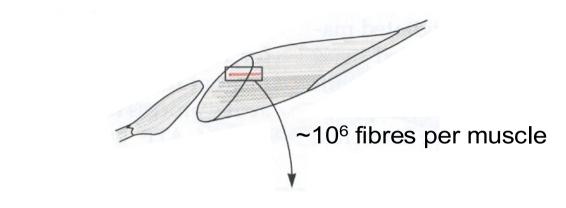


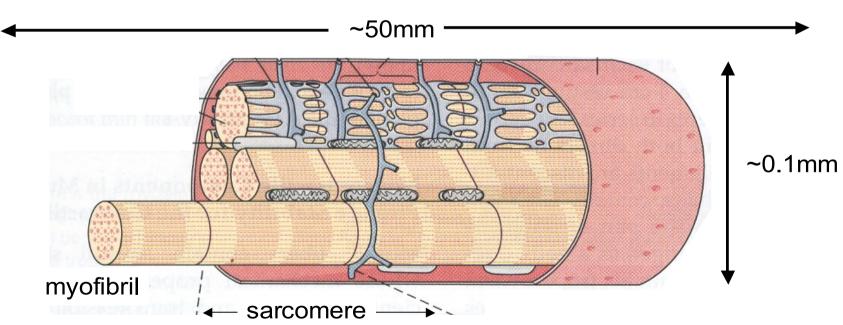


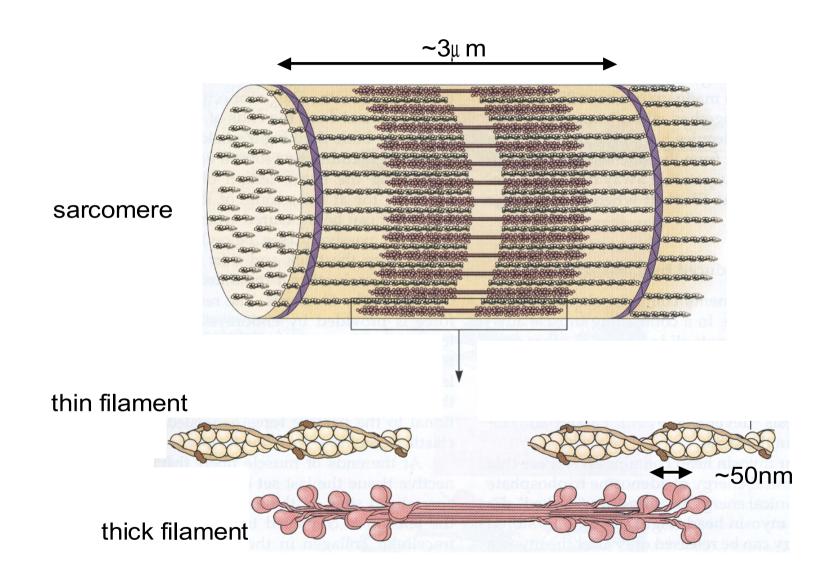


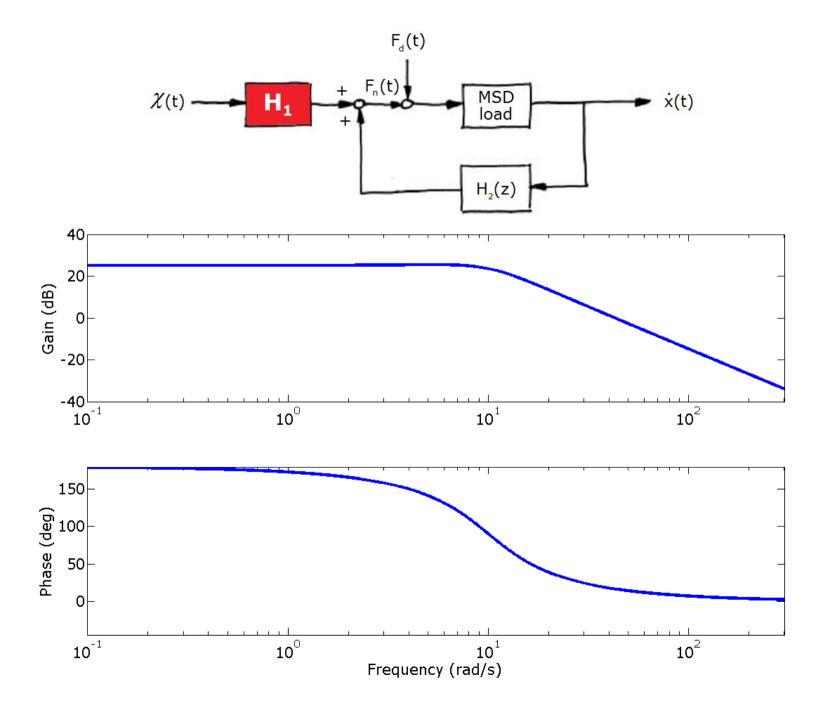


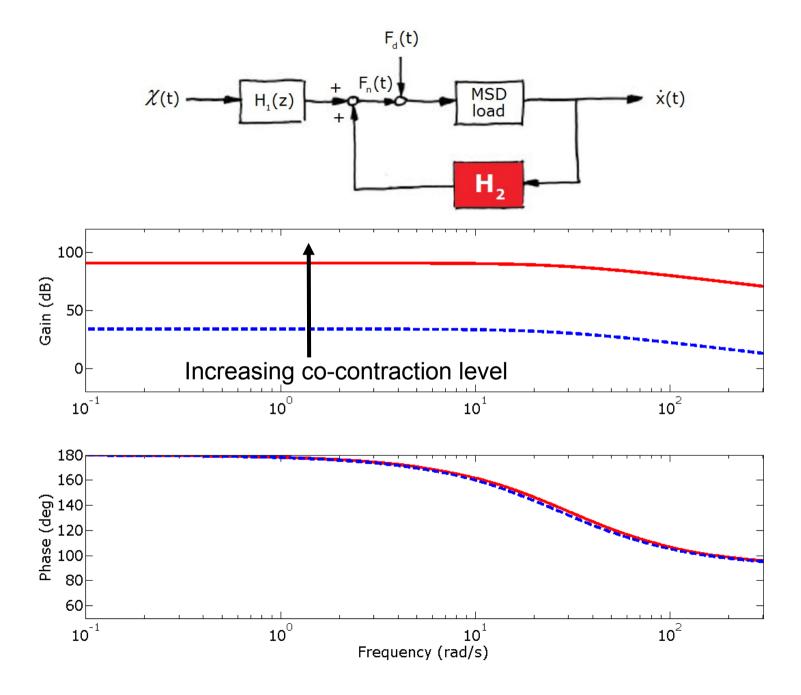




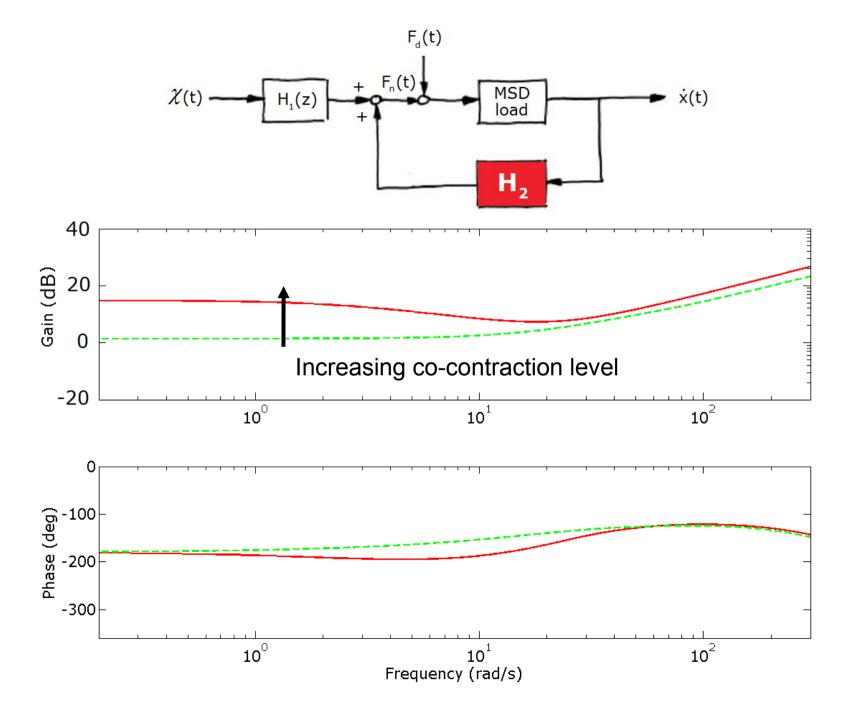


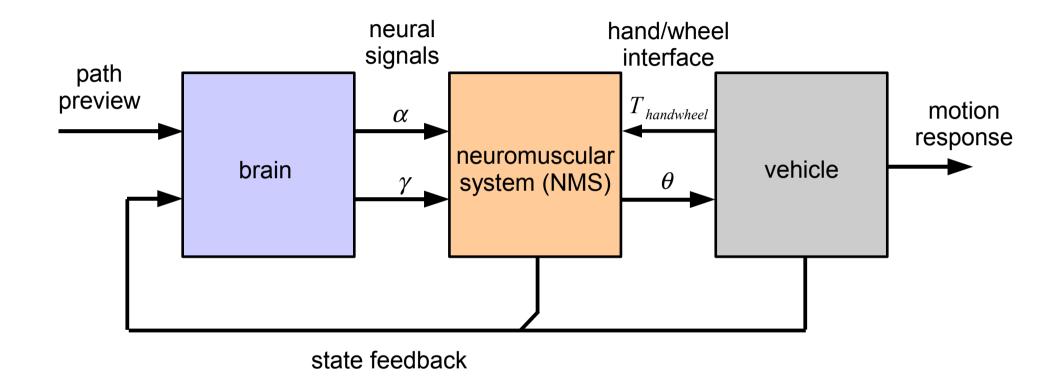


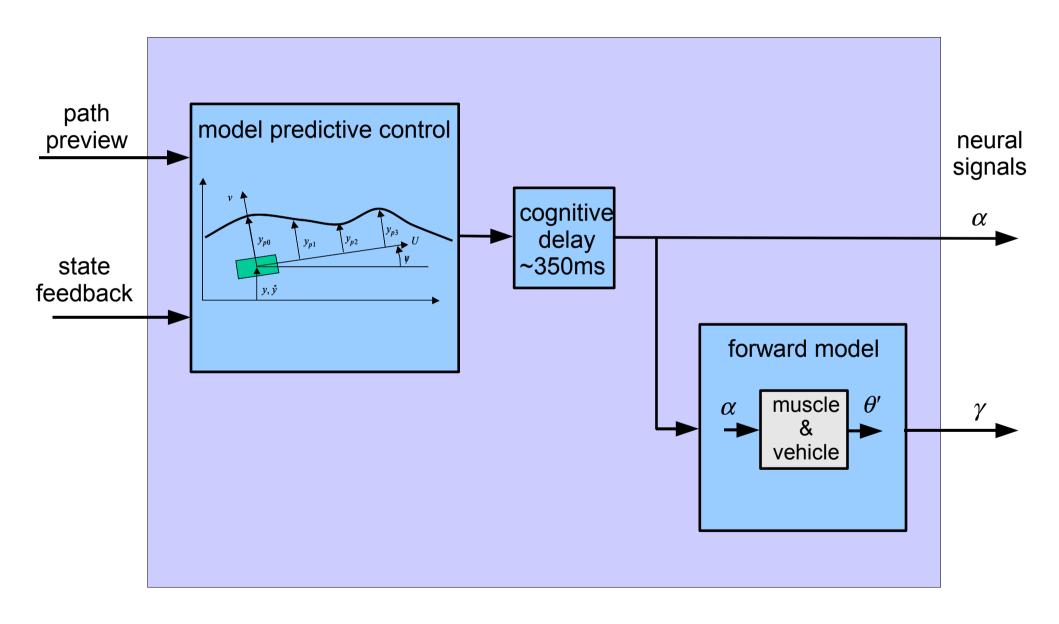


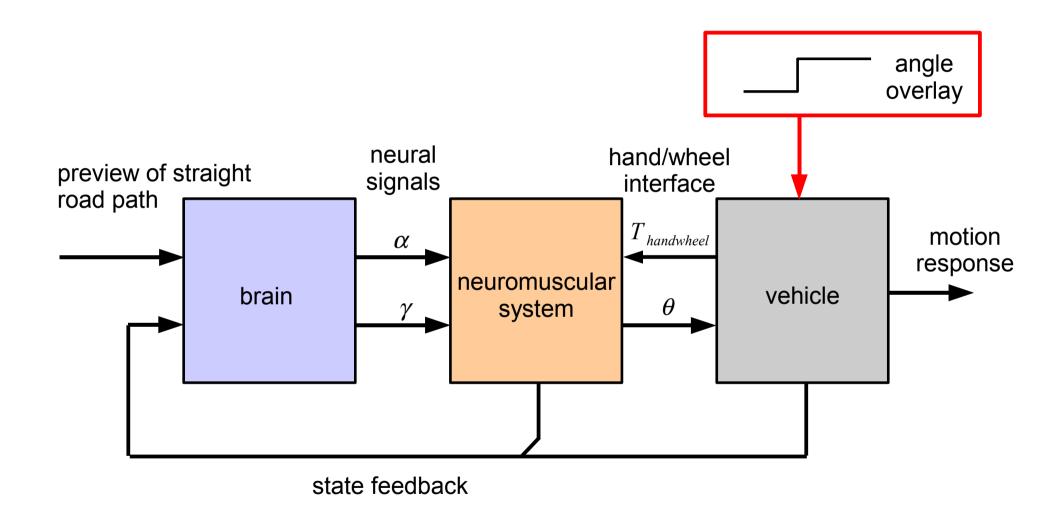


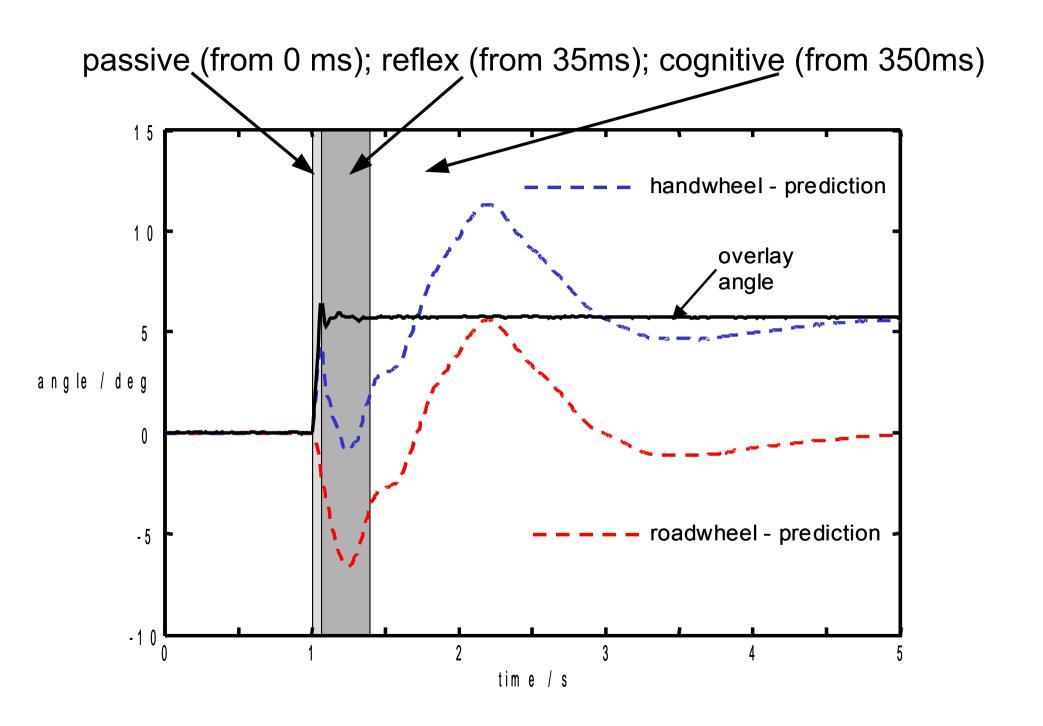


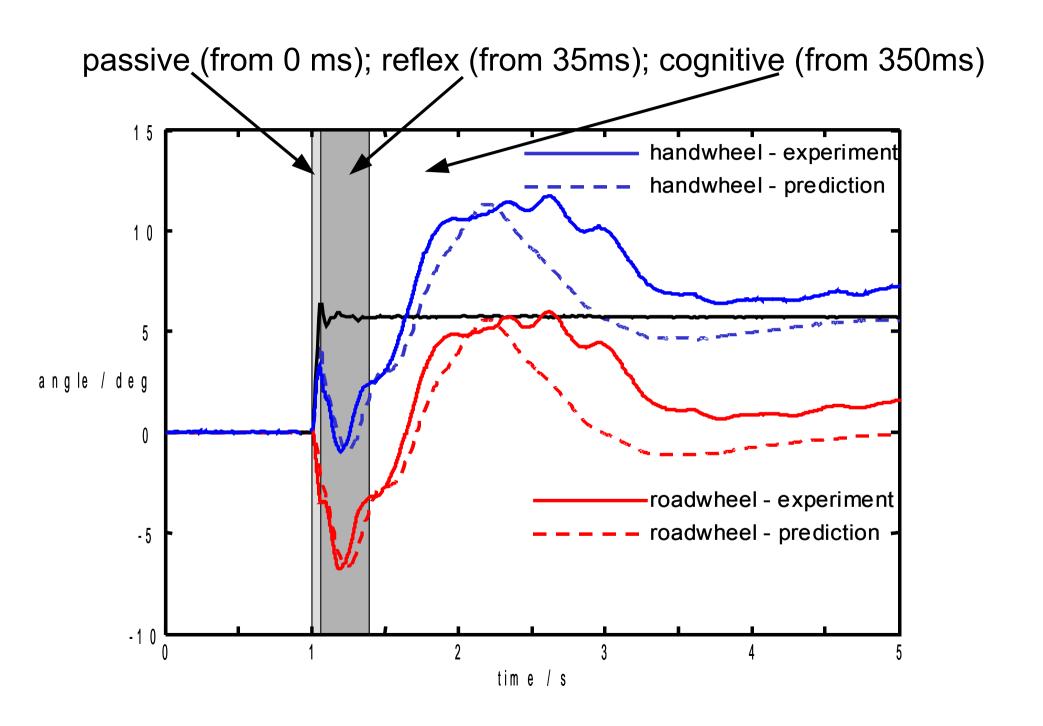












Conclusions

- Aim is to shift engineering activity from prototype phase to design phase.
- Physiologically-based muscle model has been linearised.
- Neuromuscular properties have been identified experimentally.
- Driver-vehicle model with NMS predicts major features of measured response.
- Work is ongoing to measure driver properties and develop the driver model.

See www.vehicledynamics.org for further information.