Jakeb Chouinard YouTube Video:

<https://www.youtube.com/watch?v=WzsFHxG3lDw>

Racing Line Optimization:

[https://github.com/borealis31/MW208\_AUTON\_RACECARS](https://mathworksmeeting.webex.com/mathworksmeeting/url.php?frompanel=false&gourl=https%3A%2F%2Fgithub.com%2Fborealis31%2FMW208_AUTON_RACECARS)

[https://github.com/Arttrm/MW\_EiI\_208\_Trajectory\_Planning\_and\_Tracking/tree/fc023269cc667f4eee9c02b63cbfdc8a60f0d318](https://mathworksmeeting.webex.com/mathworksmeeting/url.php?frompanel=false&gourl=https%3A%2F%2Fgithub.com%2FArttrm%2FMW_EiI_208_Trajectory_Planning_and_Tracking%2Ftree%2Ffc023269cc667f4eee9c02b63cbfdc8a60f0d318)

Racing Line Optimization: <https://github.com/mathworks/MathWorks-Excellence-in-Innovation/tree/main/projects/Path%20Planning%20for%20Autonomous%20Race%20Cars/students%20submissions>

Vehicle Modelling in Simulink: [https://www.mathworks.com/videos/matlab-and-simulink-racing-lounge-vehicle-modeling-part-1-simulink-1502466996305](https://mathworksmeeting.webex.com/mathworksmeeting/url.php?frompanel=false&gourl=https%3A%2F%2Fwww.mathworks.com%2Fvideos%2Fmatlab-and-simulink-racing-lounge-vehicle-modeling-part-1-simulink-1502466996305)

Simulating Longitudinal and Lateral Vehicle Dynamics:

[https://www.mathworks.com/videos/matlab-and-simulink-racing-lounge-simulating-longitudinal-and-lateral-vehicle-dynamics-1576843468042](https://mathworksmeeting.webex.com/mathworksmeeting/url.php?frompanel=false&gourl=https%3A%2F%2Fwww.mathworks.com%2Fvideos%2Fmatlab-and-simulink-racing-lounge-simulating-longitudinal-and-lateral-vehicle-dynamics-1576843468042)

Vehicle path tracking using Stanley Controller: [https://www.mathworks.com/videos/vehicle-path-tracking-using-stanley-controller-1628159837296.html](https://mathworksmeeting.webex.com/mathworksmeeting/url.php?frompanel=false&gourl=https%3A%2F%2Fwww.mathworks.com%2Fvideos%2Fvehicle-path-tracking-using-stanley-controller-1628159837296.html)

Simscape Vehicle Template: [https://www.mathworks.com/solutions/physical-modeling/simscape-vehicle-templates.html](https://mathworksmeeting.webex.com/mathworksmeeting/url.php?frompanel=false&gourl=https%3A%2F%2Fwww.mathworks.com%2Fsolutions%2Fphysical-modeling%2Fsimscape-vehicle-templates.html)

Student Competition page: [https://www.mathworks.com/academia/student-competitions.html](https://mathworksmeeting.webex.com/mathworksmeeting/url.php?frompanel=false&gourl=https%3A%2F%2Fwww.mathworks.com%2Facademia%2Fstudent-competitions.html)

Winner's Circle: [https://www.mathworks.com/academia/superstar-students.html](https://mathworksmeeting.webex.com/mathworksmeeting/url.php?frompanel=false&gourl=https%3A%2F%2Fwww.mathworks.com%2Facademia%2Fsuperstar-students.html)

Student Tutorials and Videos: [https://www.mathworks.com/academia/student-competitions/tutorials-videos.html](https://mathworksmeeting.webex.com/mathworksmeeting/url.php?frompanel=false&gourl=https%3A%2F%2Fwww.mathworks.com%2Facademia%2Fstudent-competitions%2Ftutorials-videos.html)

Racing Lounge FB group: <https://www.facebook.com/groups/racinglounge/>

MathWorks Survey: [https://forms.office.com/r/XAGdpkgDF7](https://mathworksmeeting.webex.com/mathworksmeeting/url.php?frompanel=false&gourl=https%3A%2F%2Fforms.office.com%2Fr%2FXAGdpkgDF7)