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Driving Condition Based Mode Switching Optimal Controller for Improved Driveability

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Highlights

- A state space vehicle model is built and compared against the non-linear model.
- A generic method to reduce driveline oscillations is discussed.
- Sub-functionalities to react with respect to different driver inputs.
- Sub functions : tip-in detection, set-point generation, mode selector state machine
- The controller makes correct decision in trade-off between performance and comfort.

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