**CSE 565 PAPER PRESENTATION REPORT**

Generating Dynamic Kernels via Transformers for Lane Detection

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## Traditional lane detection methods

Traditional lane detection methods usually rely on hand-crafted features and post processing techniques like ***Hough Transform****. [2012, 2014, 2015, 2016]* These methods are limited in representation ability and robustness, making them difficult to handle the diversity of lane lines in different road scenarios.

## Recently lane detection methods

Recently, ***dynamic convolution-based methods***, e.g., *CondLaneNet*, have shown promising performance by considering the features from some key locations of a lane line, such as the starting point, as convolutional kernels, and convoluting them with the whole feature map to detect lane lines.