

ABSTRACT

Embodiments of the disclosure provide methods and systems for calibrating a plurality of sensors. The method may include capturing, by a plurality of sensors associated with a vehicle, a set of point cloud data indicative of at least one surrounding object as the vehicle
5 travels along a trajectory. The method may also include filtering, by a processor, the set of point cloud data based on coplanarity associated with the set of point cloud data. The method may further include adjusting, by the processor, at least one calibration parameter of the plurality of sensors based on a model using the filtered set of point cloud data. The model
10 may include a weight corresponding to the coplanarity associated with the set of point cloud data.

(FIG. 5)