

Predicting a cars velocity using dashcam footage and dense optical flow

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Abstract—In this report bla bla bla

Index Terms—deep learning, computer vision, velocity prediction, dense optical flow

I. INTRODUCTION

II. DATA COLLECTION, ANALYSIS AND PREPROCESSING

For our data base, we used the comma ai speedchallenge¹ data set. This data base provides two dashcam videos: a trainings video, (20400 frames, shoot at 20 frames per second) including ground truths and a testing video (10798 frames, shoot at 20 frames per second) without labels, which they use for applications to check how well a submitted model is able to generalize.

III. METHOD SELECTION AND ARCHITECTURE

IV. RESULTS AND COMPARISON

V. FURTHER WORK

ACKNOWLEDGMENT

The preferred spelling of the word “acknowledgment” in America is without an “e” after the “g”. Avoid the stilted expression “one of us (R. B. G.) thanks ...”. Instead, try “R. B. G. thanks...”. Put sponsor acknowledgments in the unnumbered footnote on the first page.

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¹<https://github.com/commaai/speedchallenge>