

RELIABILITY ANALYSIS AND OPTIMIZATION OF ADAS SYSTEMS

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ABSTRACT

The validation of ADAS systems today is a difficult task to achieve as it is unclear which load cases need to be considered not to mention the need to fulfil the Euro NCAP requirements. Today OEMs and TIER1 suppliers execute a very large amount of road testing without really knowing how much the ADAS function is validated and whether all critical scenarios have been encountered. The presentation intends to give a statistical approach in better understanding the challenges identified in ADAS functions with the usage of numerical simulations.