Hil Testing active dolly

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***Abstract*— Bla bla bla**

I. Introduction

- HCT gut fuer umwelt
- Economy
- Off-tracking reduction

The following points will be covered in this paper:

- hardware and software utilized to achieve Hardware-in-the-Loop (HiL) verification for an active converter dolly
- evaluation of existing delays in the implementation and their consequences
- discussion of three standard maneuvers for High Capacity Transport (HCT)-combinations executed on the developed HiL-system and their comparison with simulation results
- necessary changes to the set-up for taking the developed solution to the test-track

II. Hardware-setup

A. *dolly*

B. *MABII*

C. *Arduino*

III. Software-setup

A. *VTM*

B. *RTI Zeug*

C. *ControllDesk*

IV. Delays

V. Maneuvers

VI. RESULTS AND DISCUSSIONS

VII. RELATED WORKS

VIII. CONCLUSIONS

APPENDIX

ACKNOWLEDGMENT

References

[1] M.S. Kati, J. Fredriksson, L. Laine, B. Jacobson,"Performance Improvement for A-double Combination by introducing a Smart Dolly," in Proceedings of the 13th International Heavy Vehicle Transport Technology Symposium, San Luis, Argentina, 2014.

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