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Editor-in-Chief: Jumar, Ulrich

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IMPACT FACTOR 2017: 0.503

CiteScore 2017: 0.47

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Microsimulations of Freeway Traffic Including Control Measures

M. Treiber / D. Helbing

Published Online: 2009-09-25 | **DOI:** <https://doi.org/10.1524/auto.2001.49.11.478>

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Using a recently developed microscopic traffic model, we simulate how speed limits, on-ramp controls, and vehicle-based driver-assistance systems influence freeway traffic.

We present results for a section of the German Autobahn A8-East. Both, a speed limit and an on-ramp control could considerably reduce the severeness of the originally observed and simulated congestion. Introducing 20 % vehicles equipped with driver-assistance systems eliminated the congestion almost completely.

📄 About the article

Published Online: 2009-09-25

Published in Print: 2001-11-01

Citation Information: at - Automatisierungstechnik Methoden und Anwendungen der Steuerungs-, Regelungs- und Informationstechnik, Volume 49, Issue 11/2001, Pages 478–, ISSN (Print) 0178-2312, DOI: <https://doi.org/10.1524/auto.2001.49.11.478>.

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