Accepted Manuscript

Dividing traffic cluster into parts by signal control

Takashi Nagatani

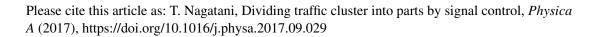
PII: S0378-4371(17)30921-4

DOI: https://doi.org/10.1016/j.physa.2017.09.029

Reference: PHYSA 18634

To appear in: Physica A

Received date: 1 May 2017



This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Research Highlights

We presented the nonlinear-map model for the motion of vehicles controlled by the signals.

We studied the breakup process of a traffic cluster into smaller groups by controlling signals.

We explored the dependence of the breakup on both cycle time and vehicular speed.

Download English Version:

https://daneshyari.com/en/article/5102389

Download Persian Version:

https://daneshyari.com/article/5102389

<u>Daneshyari.com</u>