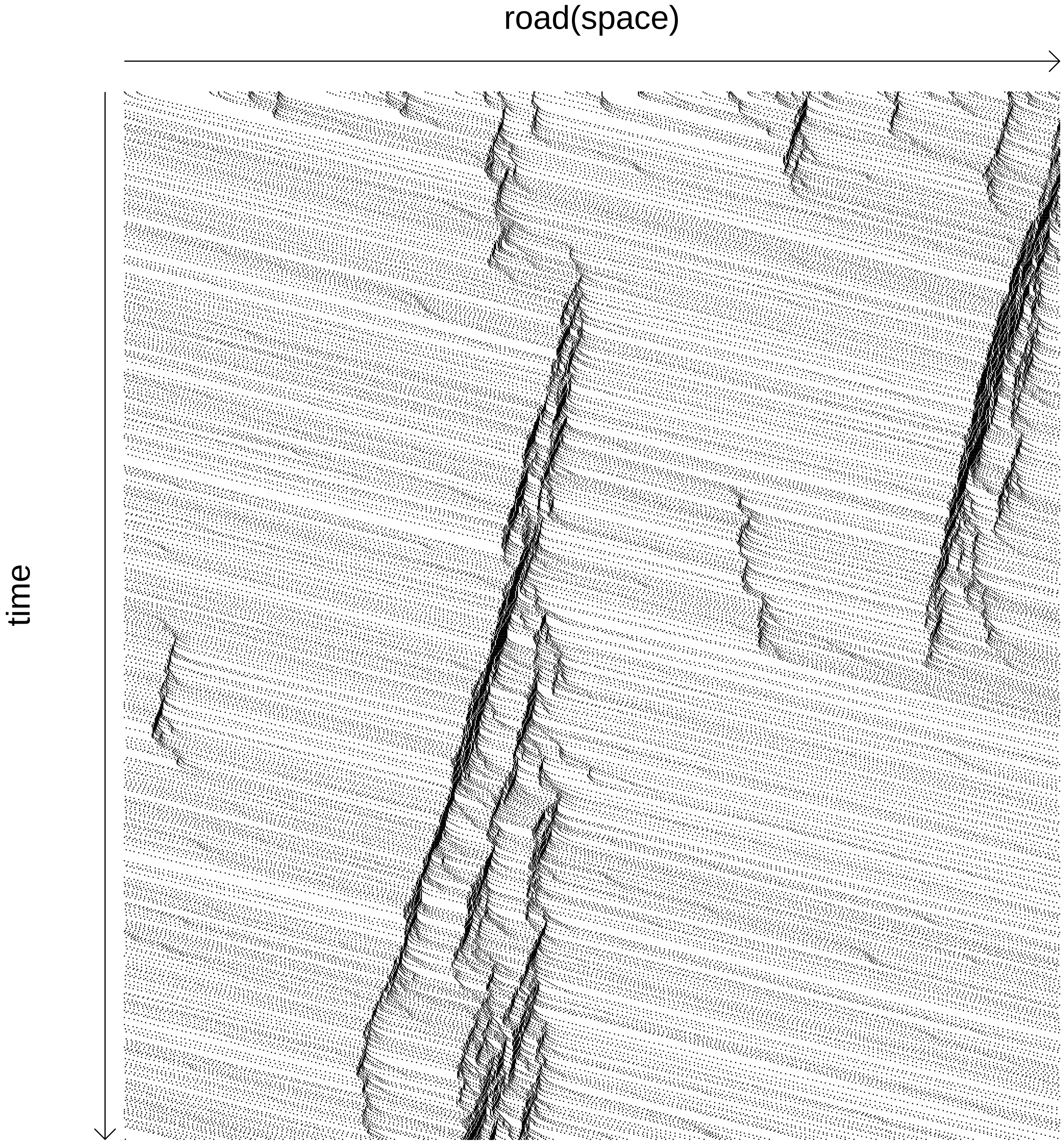
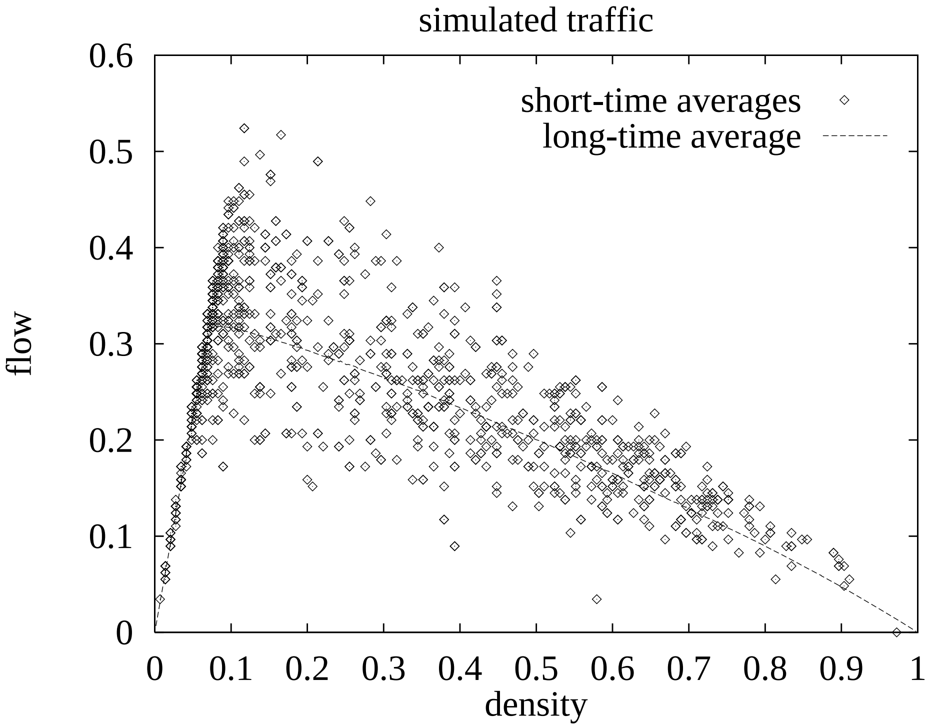
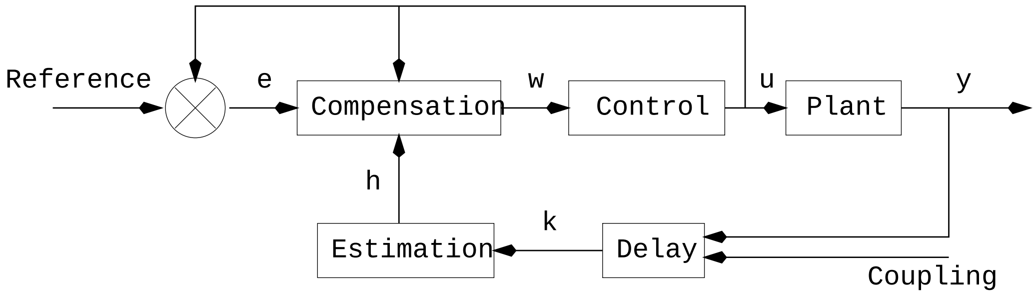
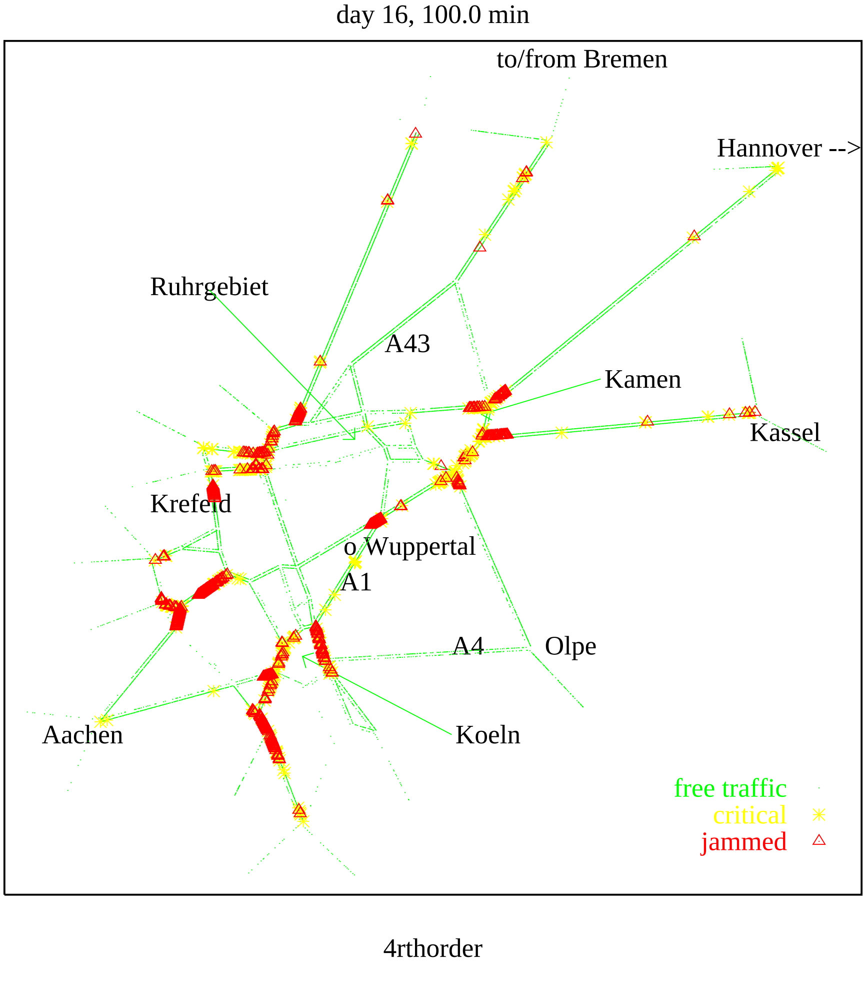
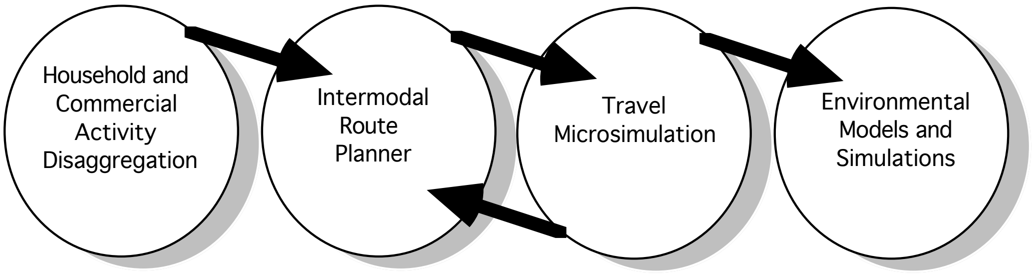

road(space)
time


simulated traffic
short-time averages
long-time average
flow
density
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1



`Reference`	$r_i \leftarrow v_m$, v_m is the desired speed.
`Error`	$e_i \leftarrow r_i - u_i$, u_i is the current speed.
`Compensation`	$w_i \leftarrow \min(e_i, h_i - u_i)$, h_i is the gap.
`Control`	$u_i \leftarrow \max(u_i + \min(w_i, 1) + \varepsilon, 0)$, ε is noise.
`Plant`	$y_i = x_i \leftarrow x_i + u_i$.


day 16, 100.0 min
to/from Bremen
Hannover -->
Ruhrgebiet
A43
Kamen
Kassel
Krefeld
o Wuppertal
A1
A4
Olpe
Aachen
Koeln
free traffic
critical
jammed
4rthorder


Household and
Commercial
Activity
Disaggregation
Intermodal
Route
Planner
Travel
Microsimulation
Environmental
Models and
Simulations