

Movie number	Experiment number	Control scheme	Signal failure	δt [s]	M	L [km]	T [s]	t_a [s]	t_b [s]	T_0 [s]	θ	λ [m]	s [m]	κ	u [s]	q	r [m]	e [m]	v_{th} [m/s]	p'_{iw}	p'_{ie}	p'_{is}	p'_{in}	n_w	n_e	n_s	n_n
1	5	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.005	0	0.005	0	0	0	0	0
2	5	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.1	0	0.1	0	0	0	0	0
3	5	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.3	0	0.3	0	0	0	0	0
4	5	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.5	0	0.5	0	0	0	0	0
5	6	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.005	0.005	0.005	0.005	0	0	0	0
6	6	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.1	0.1	0.1	0.1	0	0	0	0
7	6	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.3	0.3	0.3	0.3	0	0	0	0
8	6	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.5	0.5	0.5	0.5	0	0	0	0
9	7	prop.	–	3.0	5	0.6	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.5	0.5	0.5	0.5	0	0	0	0
10	8	prop.	S_{33}	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.5	0.5	0.5	0.5	50	50	50	50
11	9	prop.	S_{22}, S_{33}	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.5	0.5	0.5	0.5	50	50	50	50
12	10	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.3	0.3	0.1	0.1	20	20	0	0
13	11	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.3	0.1	0.3	0.1	20	0	20	0
14	12	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.6	0.6	0.2	0.2	80	80	0	0
15	13	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	0.6	0.2	0.6	0.2	80	0	80	0
16	14	prop.	–	3.0	5	1.0	10.0	0.5	0.5	–	–	–	–	–	–	–	–	–	–	rand.	rand.	rand.	rand.	30	80	60	20
17	6	1	–	3.0	5	1.0	–	–	–	4.5	–	–	–	–	–	–	–	–	–	0.005	0.005	0.005	0.005	0	0	0	0
18	6	1	–	3.0	5	1.0	–	–	–	4.5	–	–	–	–	–	–	–	–	–	0.5	0.5	0.5	0.5	0	0	0	0
19	5	2	–	3.0	5	1.0	–	–	–	4.5	–	–	–	–	–	–	–	–	–	0.5	0	0.5	0	0	0	0	0
20	6	2	–	3.0	5	1.0	–	–	–	8.5	–	–	–	–	–	–	–	–	–	0.5	0.5	0.5	0.5	0	0	0	0
21	6	2	–	3.0	5	1.0	–	–	–	6.5	–	–	–	–	–	–	–	–	–	0.5	0.5	0.5	0.5	0	0	0	0
22	6	3	–	3.0	5	1.0	–	–	–	–	0	90.0	–	–	–	–	–	–	–	0.5	0.5	0.5	0.5	0	0	0	0
23	6	3	–	3.0	5	1.0	–	–	–	–	4	90.0	–	–	–	–	–	–	–	0.005	0.005	0.005	0.005	0	0	0	0
24	6	4	–	3.0	5	1.0	–	–	–	–	–	–	110.0	100	4.0	5	70.0	50.0	1.0	0.5	0.5	0.5	0.5	0	0	0	0

Supplementary Table 1 Simulation condition for Movies 1–24. In Movie 16, p'_{ij} was set to be random and varied every 100 s. The term “prop.” means “proposed control scheme.” In the movies, numbers at the lattice edges denote the p'_{ij} values.