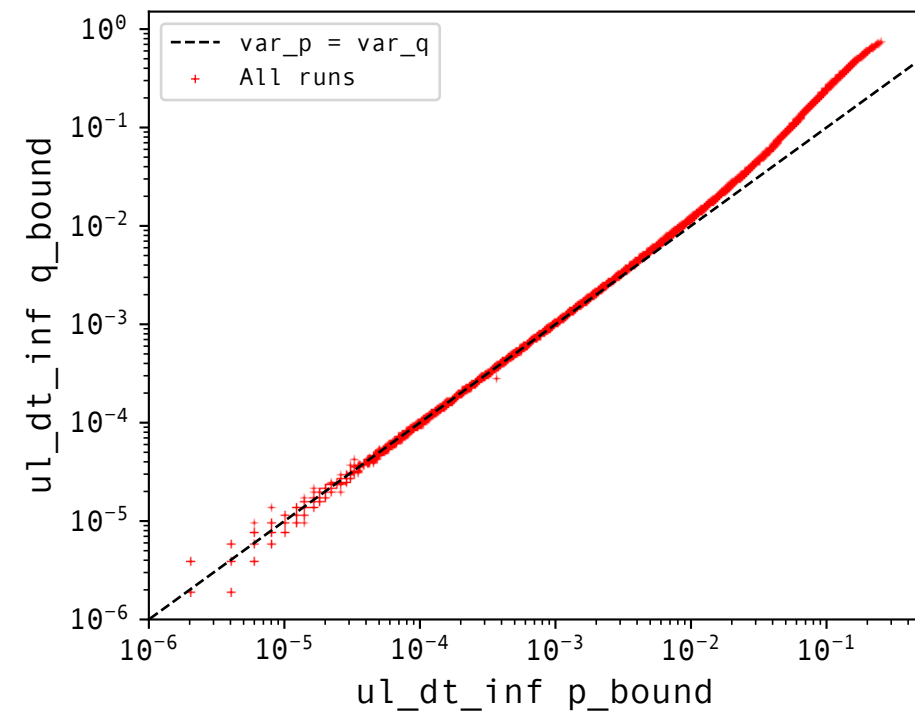
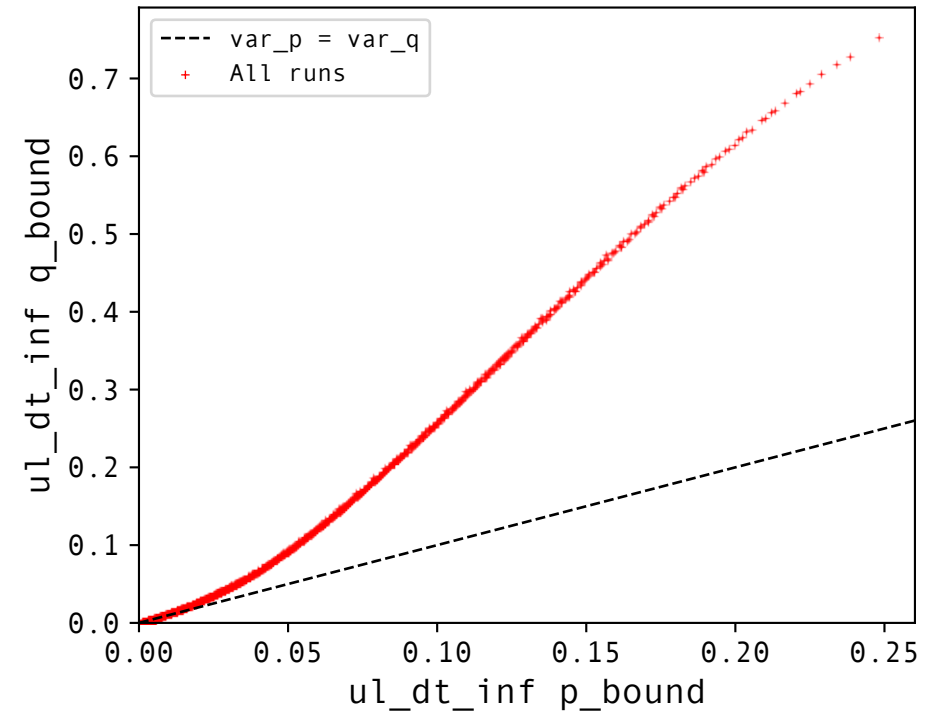
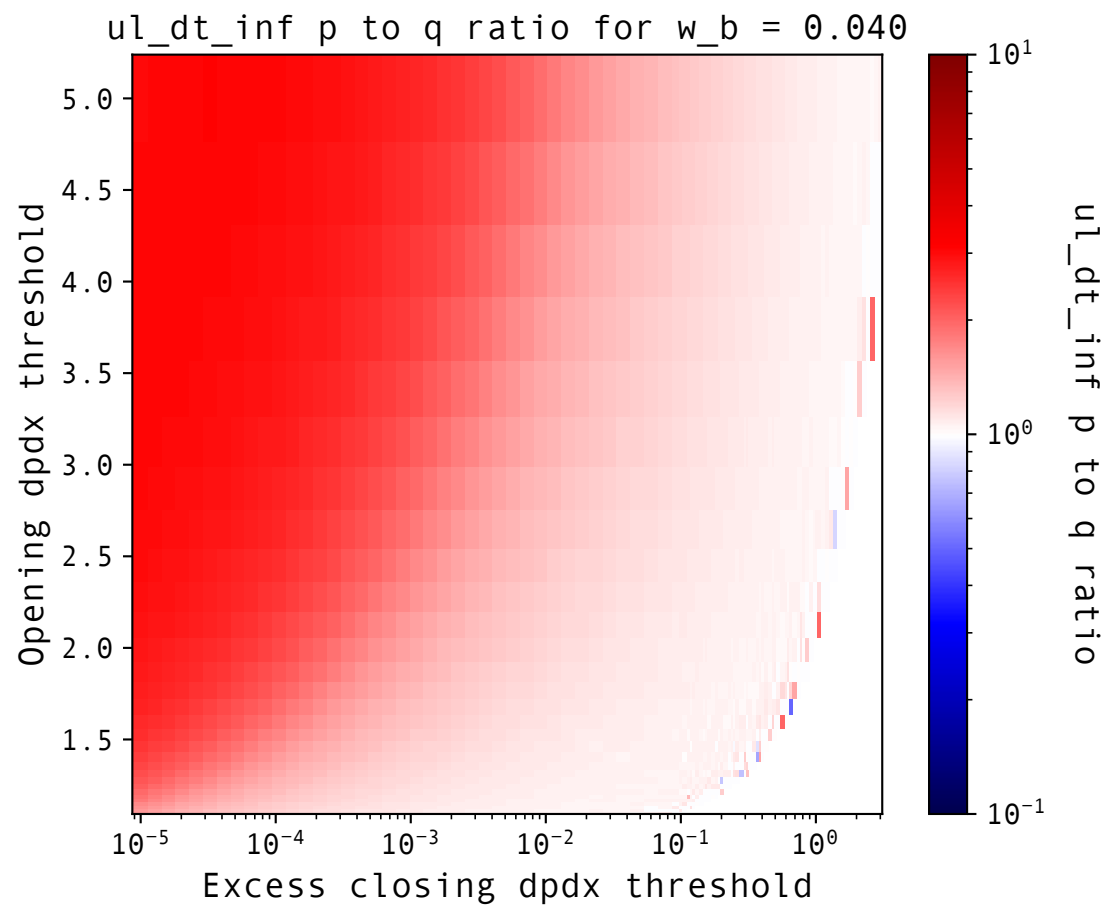


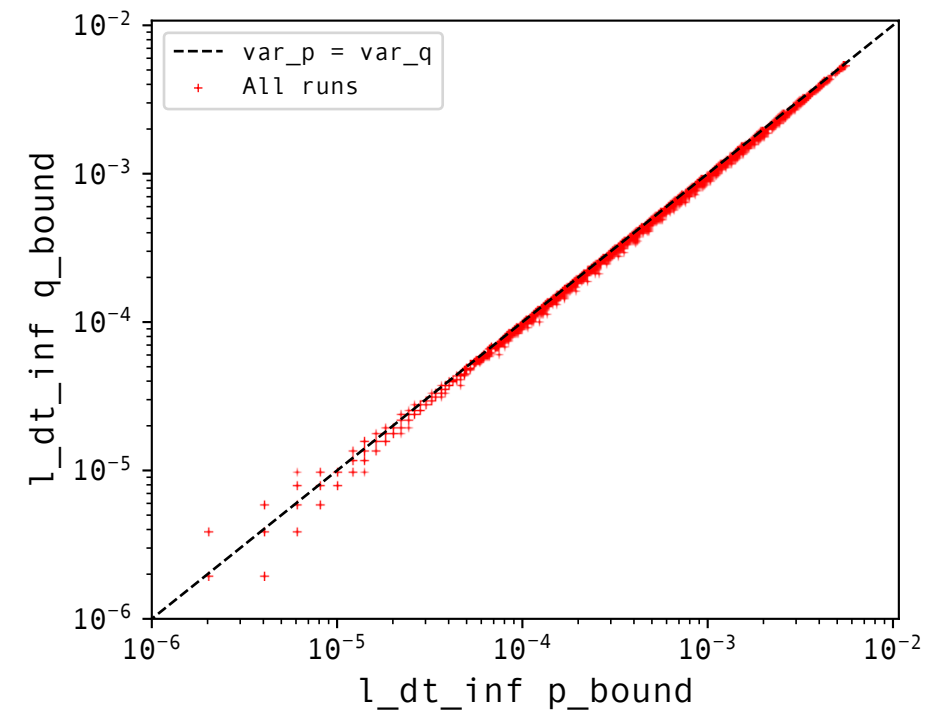
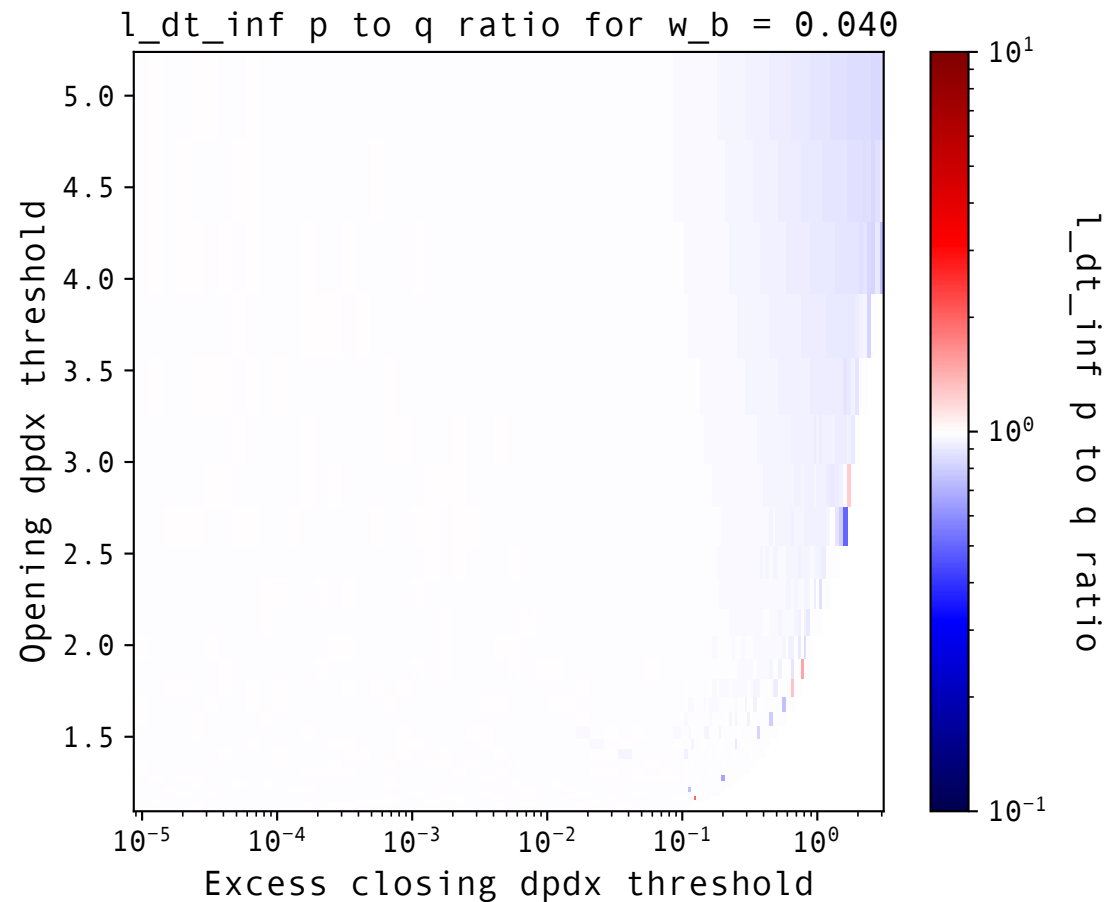
Dynamics of an isolated valve

(b) Results: Q_{bound} v. P_{bound} : ul_dt_inf



Dynamics of an isolated valve

(b) Results: Q_bound v. P_bound : l_dt_inf



Observations:

In the investigated range of parameters, we observe consistent differences in the characteristics of the cycle between Q and P boundaries.

1/ All over, for fixed Q at the boundaries, loading periods are almost identical as for fixed P at the boundaries, even if very slightly longer for P boundaries

2/ All over, for fixed Q at the boundaries, unloading periods are longer than for fixed P at the boundaries. For unloading periods lower than $1e-2$ though, we could consider that the loading/unloading values are very similar.