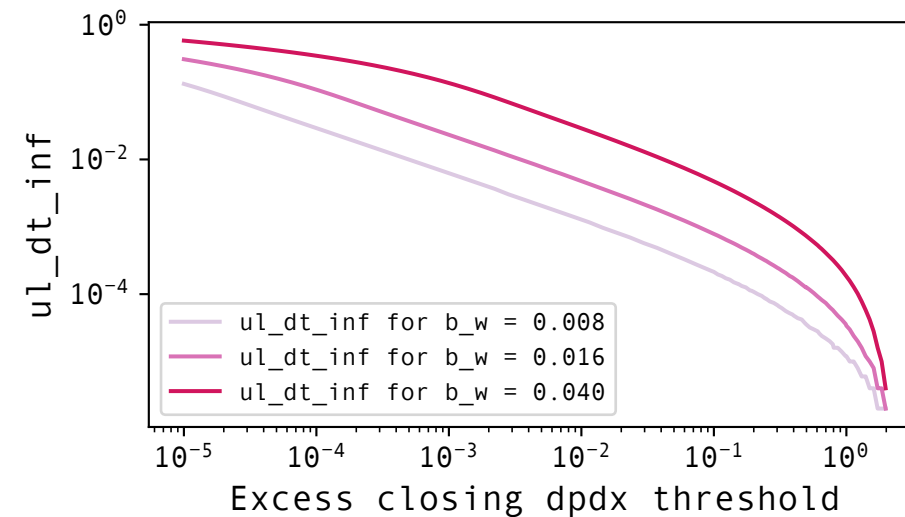
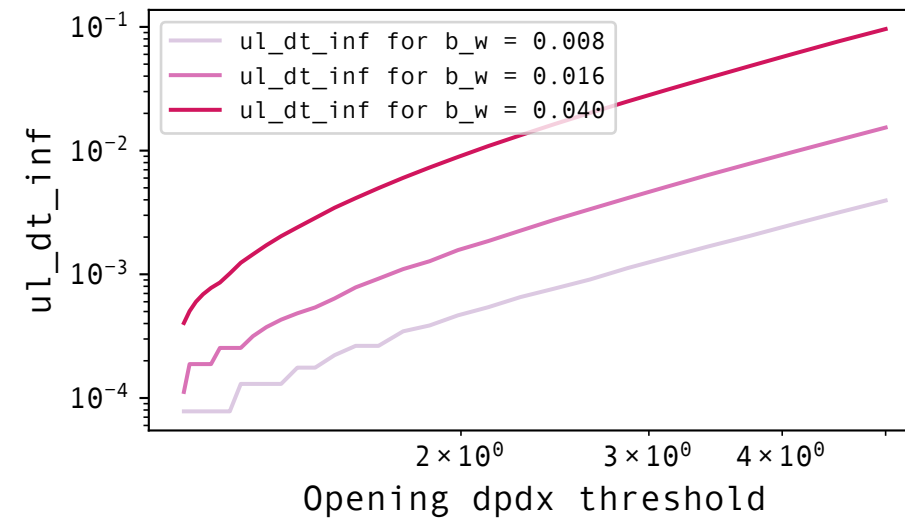
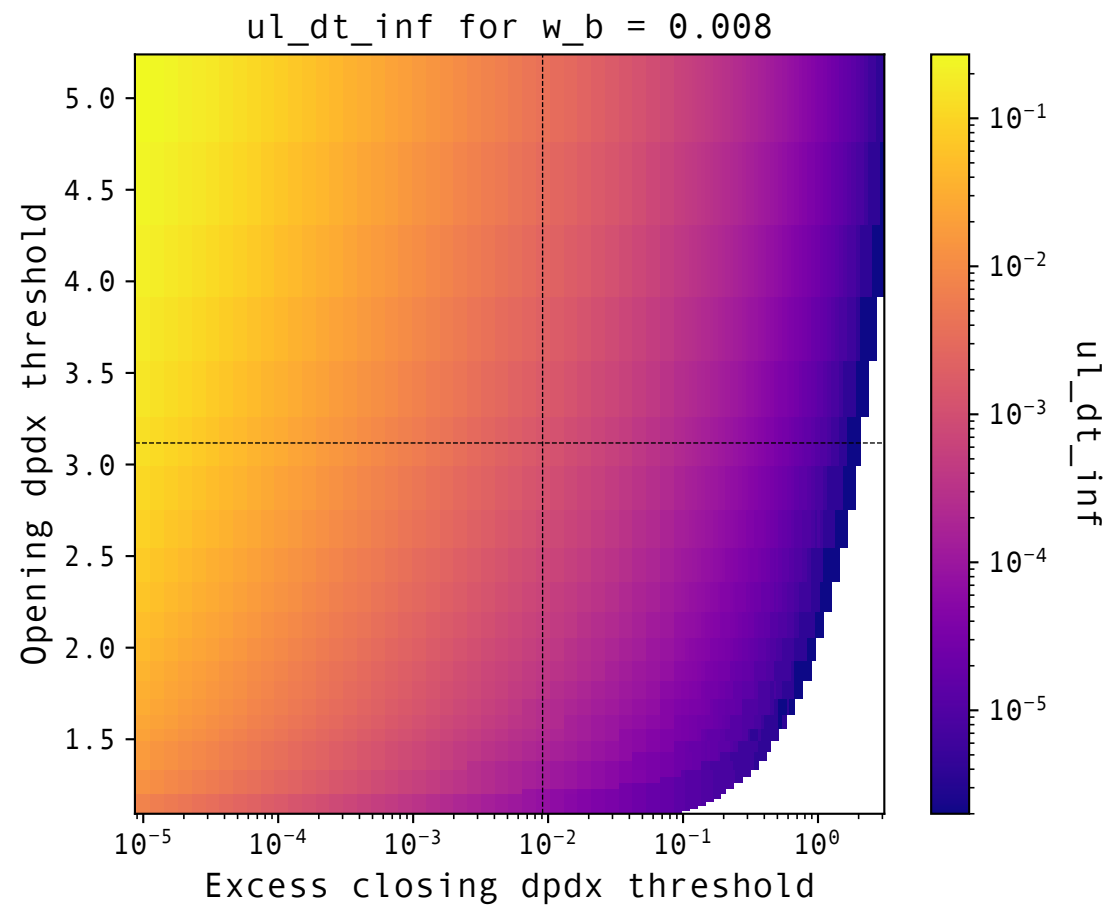


# Dynamics of an isolated valve

## (b) Results: *last unloading period* ( $ul\_dt\_inf$ )



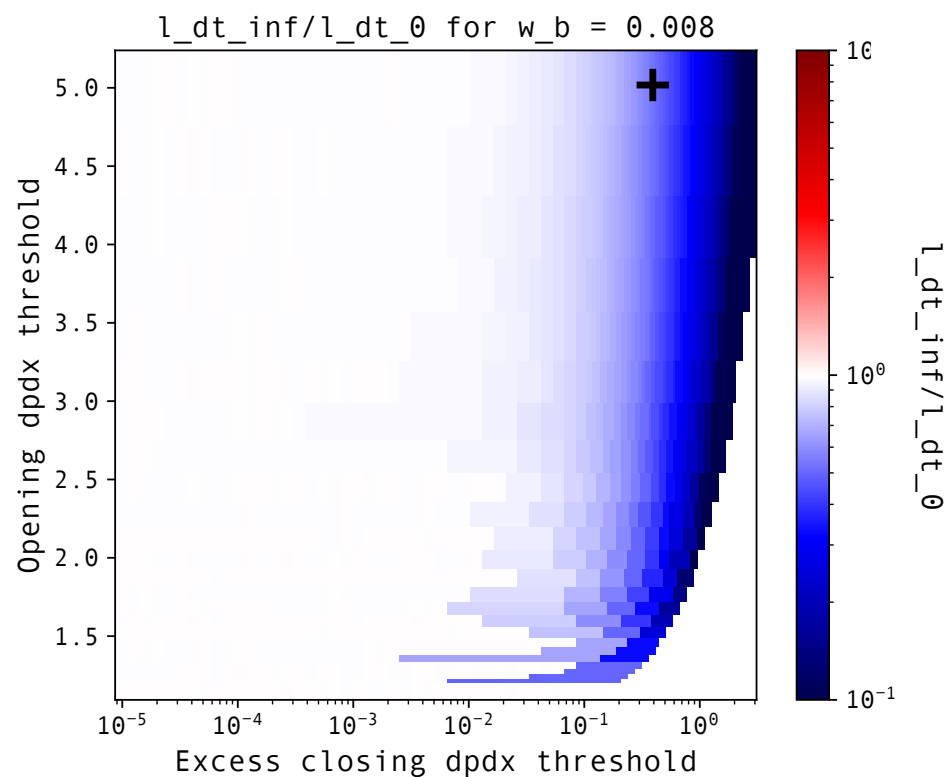
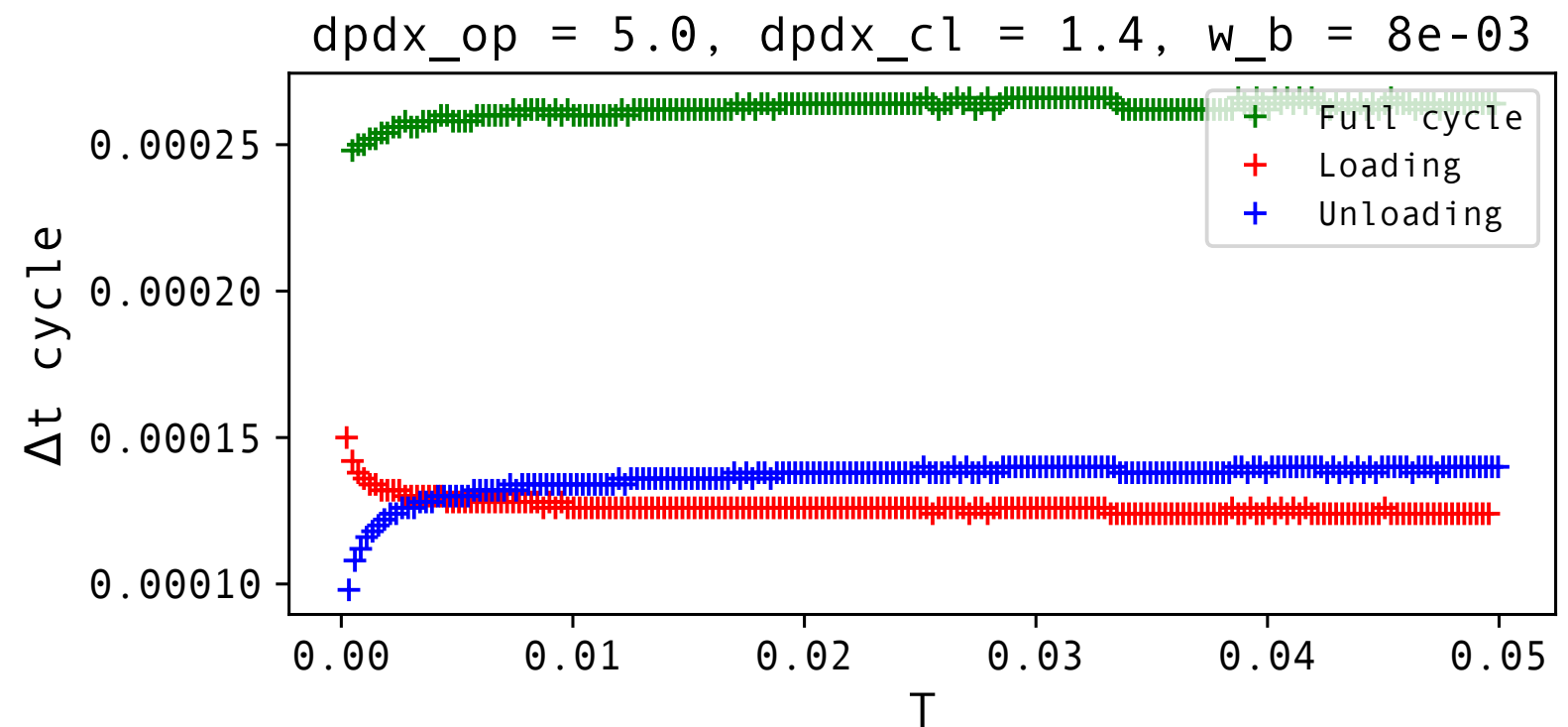
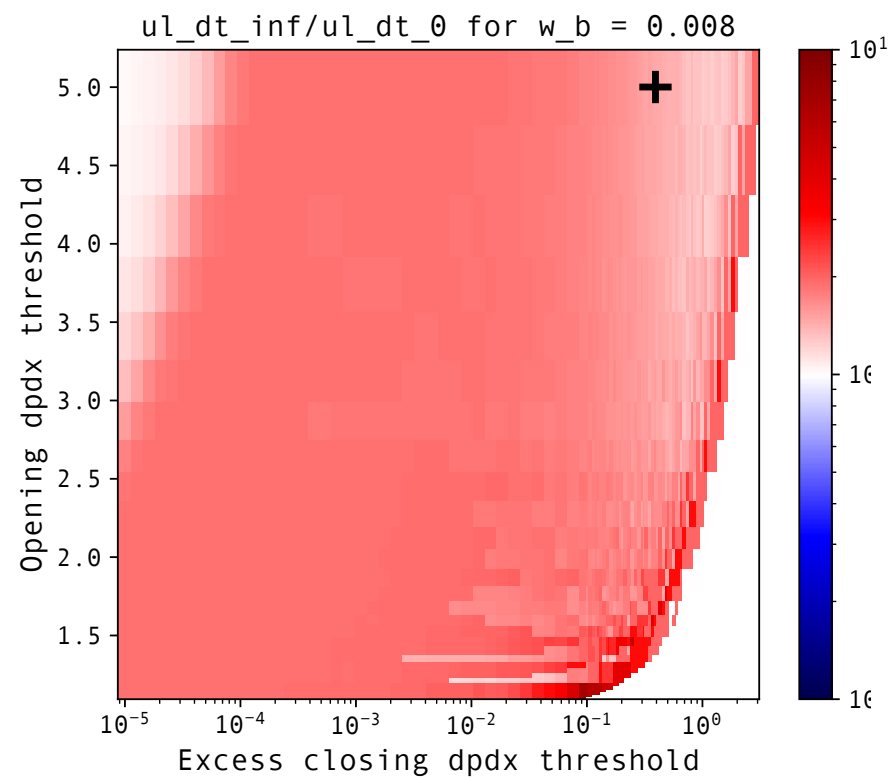
### Observations:

- 1/** The higher the opening threshold, the longer the unloading dt
- 2/** The higher the closing threshold, the shorter the loading dt.
- 3/** The wider the barrier, the longer the unloading.

# Dynamics of an isolated valve

$Q\_bound$

(b) Results: *time evolution of un-/loading periods*



**Observations: for all parameters!**

**1/** Unloading periods lengthen as the one-valve-system reaches a stable regime

**2/** Loading periods shorten as the one-valve-system reaches a stable regime