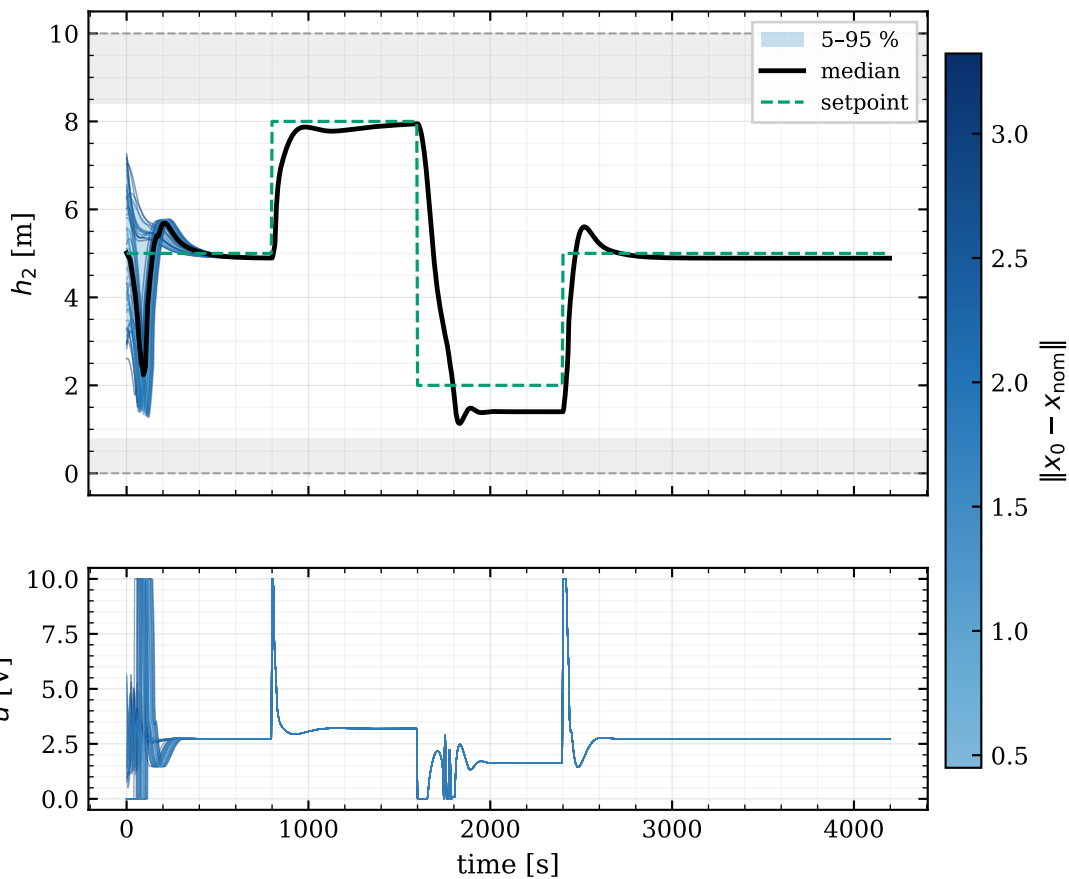


Cascaded two-tank: 50 initial conditions, ± 50 % around nominal



Latin-hypercube starts inside a ± 50 % box around the nominal state, each run to completion. This sample is the study's empirical substitute for a recursive-feasibility guarantee. Shading marks the inadmissible side of each state constraint. $N_{\text{total}} = 50$, $N_{\text{completed}} = 50$.