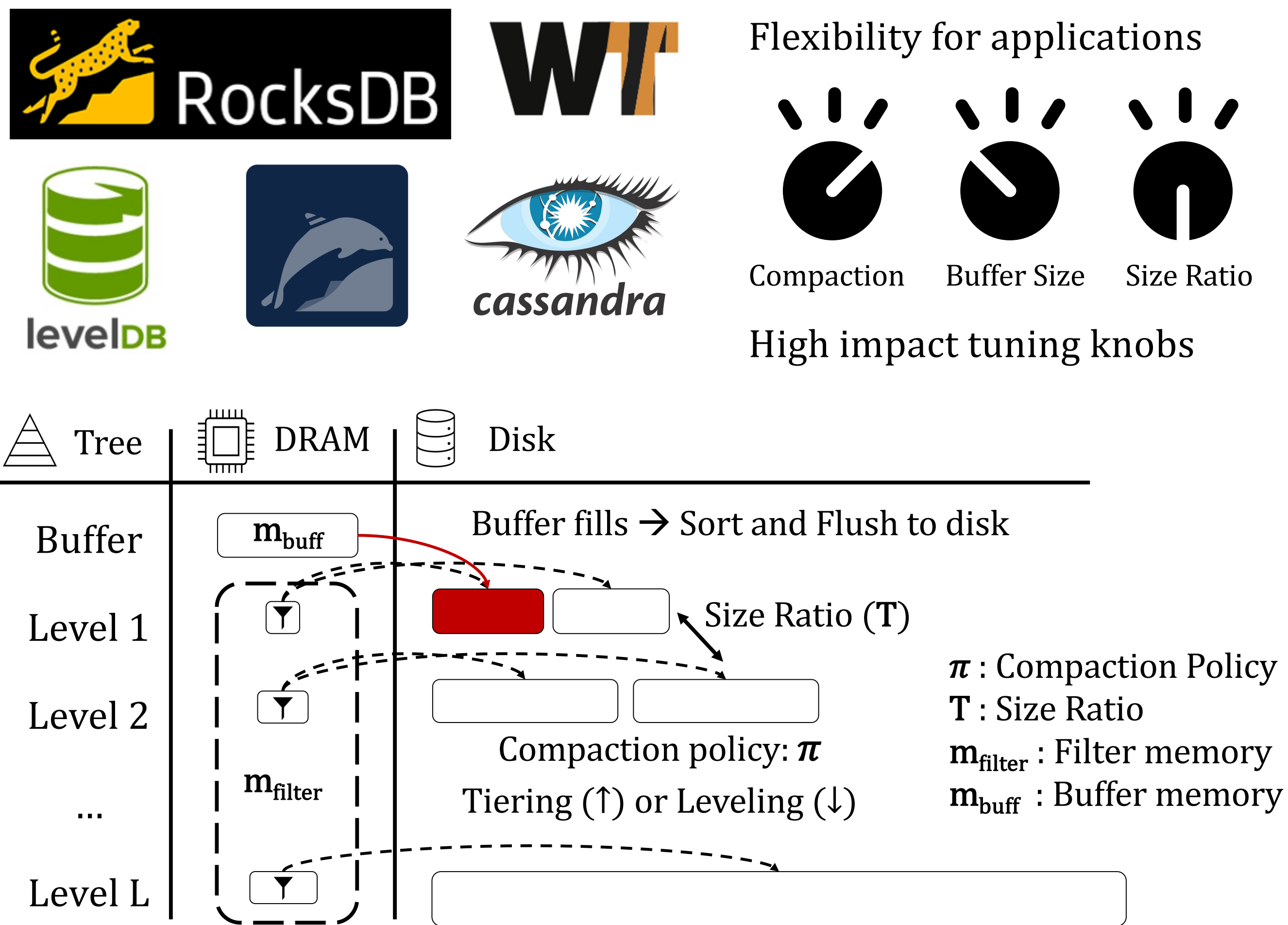
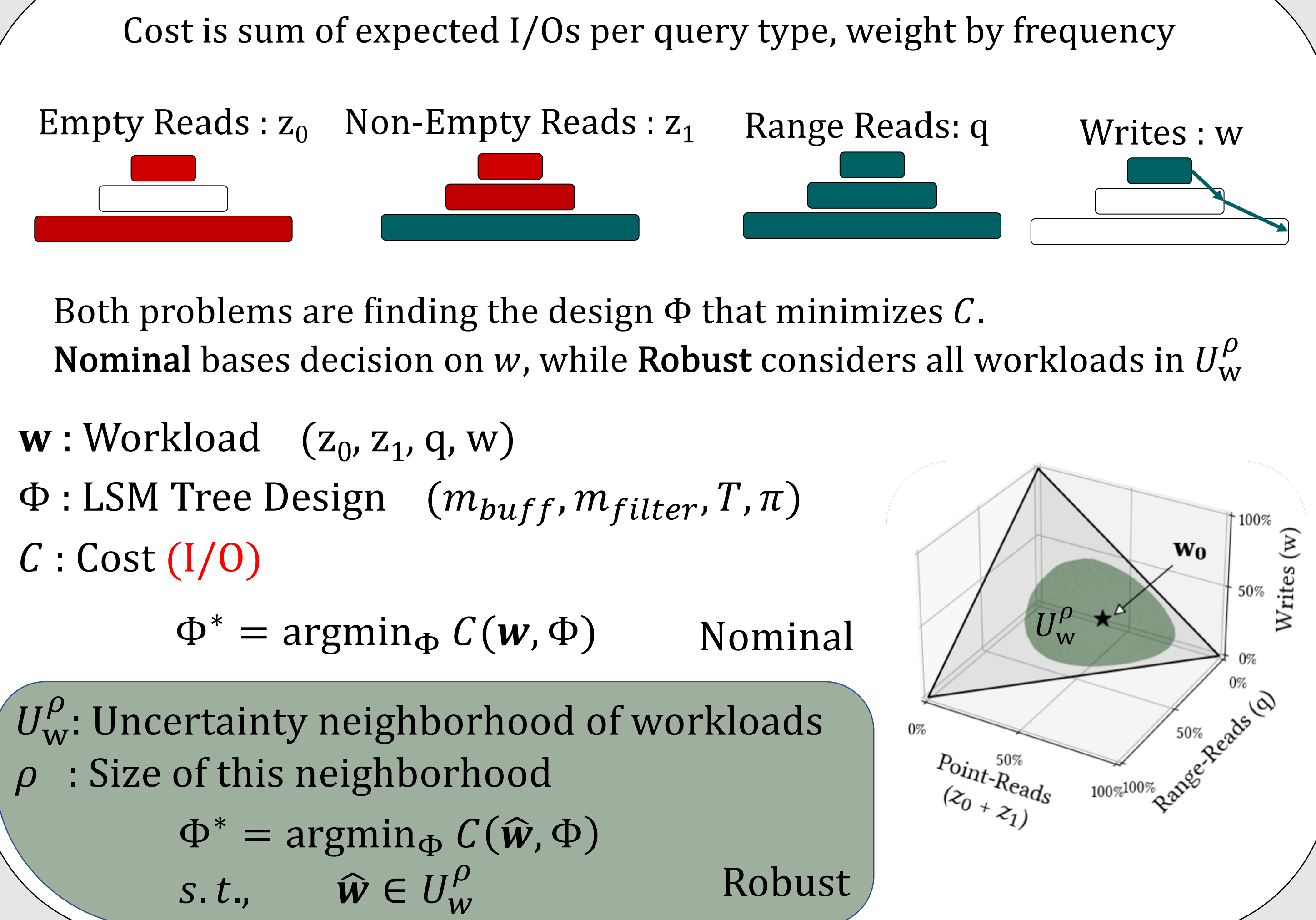


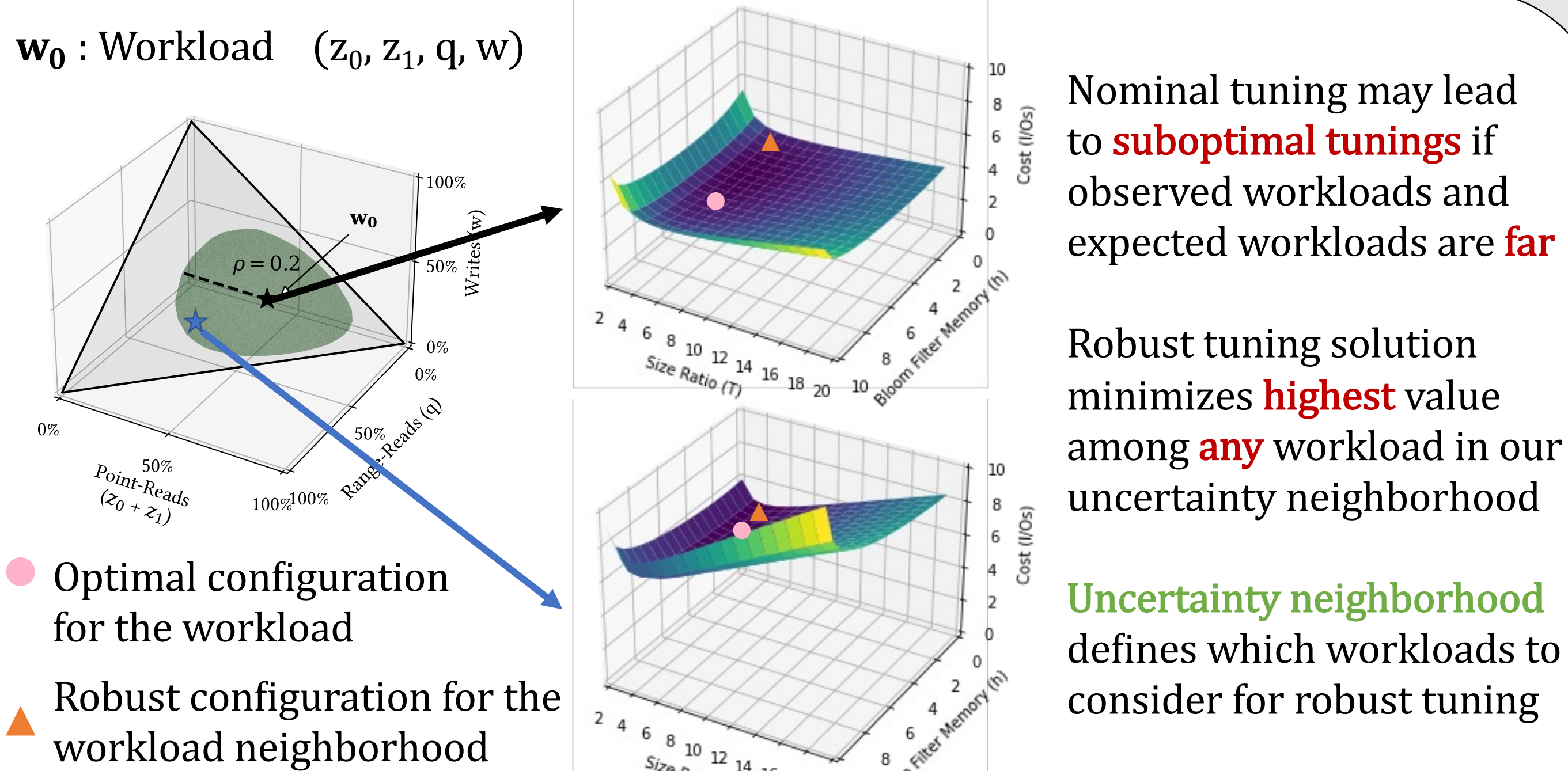
Age of LSM trees



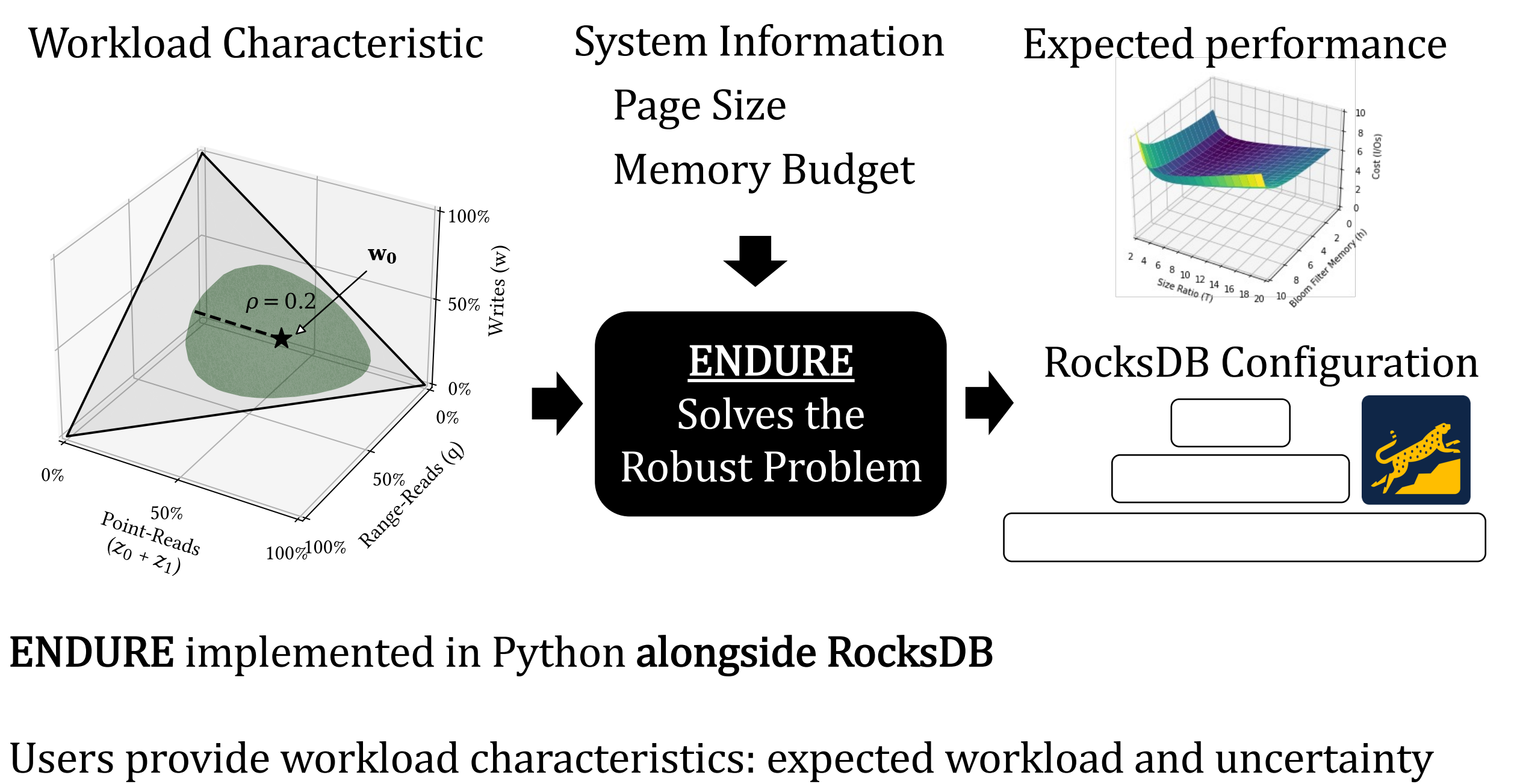
The LSM Tuning Problem



The LSM Tuning Problem

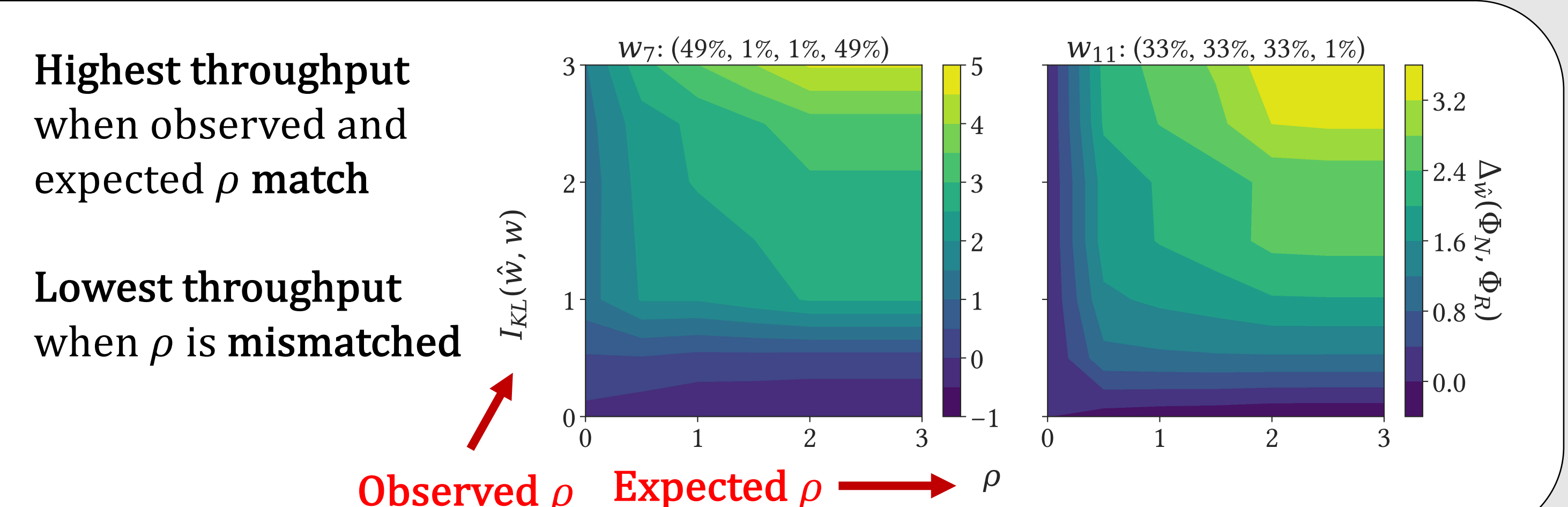
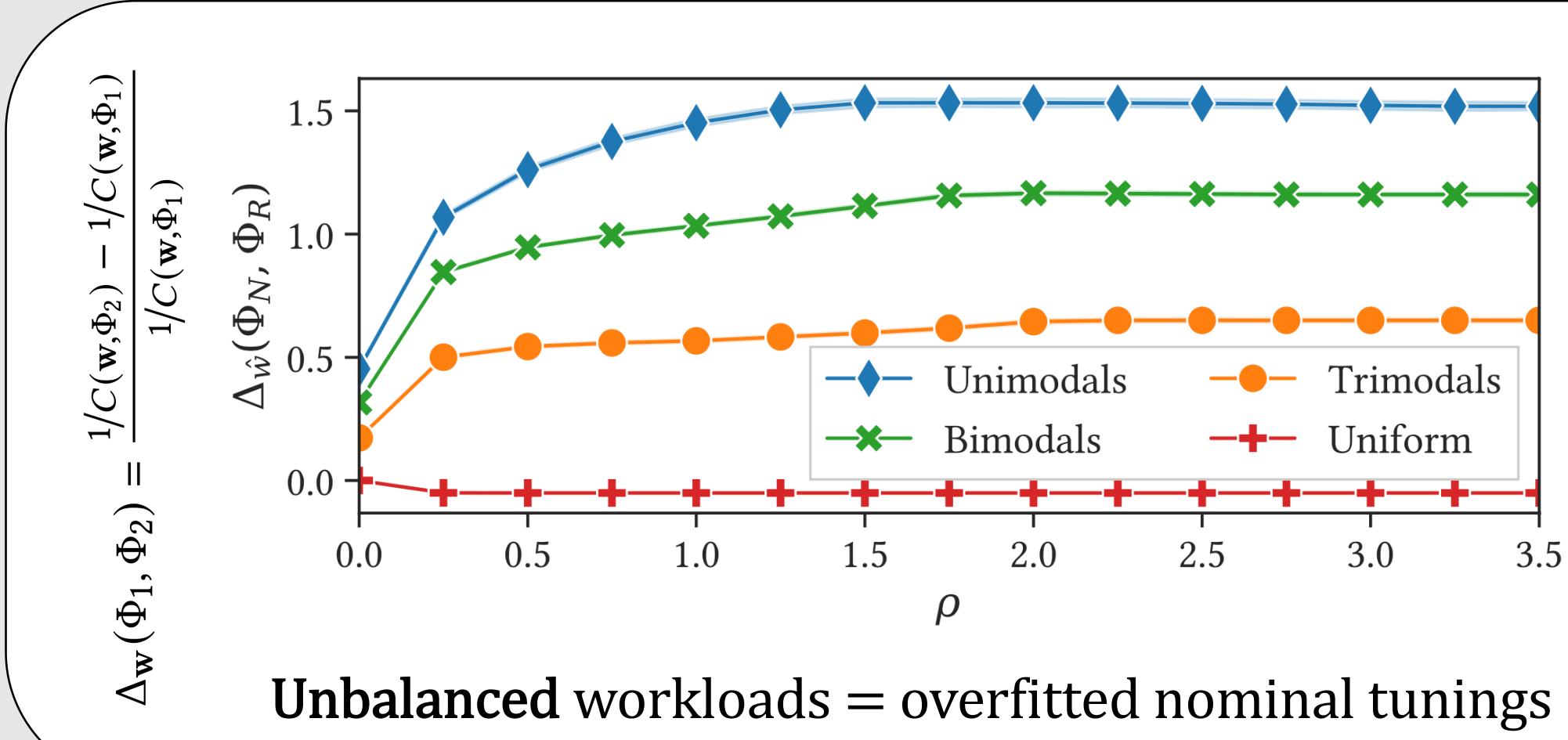


ENDURE: Robust Tuning



Selected Results (More can be found in our full paper)

Idx	z_0	z_1	q	w	Type
0	25%	25%	25%	25%	Uniform
1	97%	1%	1%	1%	Unimodal
2	1%	97%	1%	1%	
3	1%	1%	97%	1%	
4	1%	1%	1%	97%	
5	49%	49%	1%	1%	Bimodal
6	49%	49%	1%	1%	
7	49%	49%	1%	1%	
8	49%	49%	1%	1%	
9	49%	49%	1%	1%	
10	49%	49%	1%	1%	Trimodal
11	33%	33%	33%	1%	
12	33%	33%	33%	1%	
13	33%	33%	33%	1%	
14	33%	33%	33%	1%	



Selected Results

RocksDB instance
 10 million unique key-value pairs of size 1KB

6 sessions with 5 observation periods per session
 Observation period: 200K queries
 Overall 6million queries

Writes are unique
 Range queries are short range queries (1-2 pages)

Small subset of results! Take a look at our paper for a more detailed analysis

