Encrypted Joins with FHIPE

Experiment Results from Hash-Based Implementation (Fall 2020)

In the following plots, s represents selectivity, such that

$$s = \frac{|\sigma_{(x \text{ IN } \mathbf{x})}|}{|PK|},$$

for some set \mathbf{x} .

Total Running Time vs. Scale Factor, by Selectivity

Running Time vs. Scale Factor 400 350 Running Time (s) 300 250 s = 1/100200 s = 1/50s=1/25150 -s = 1/12.5100 0.020.03 0.04 0.05 0.06 TPC-H Scale Factor

Total Running Time vs. In Clause Max Size, by Selectivity

