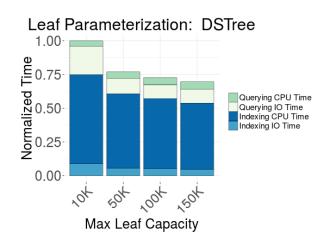
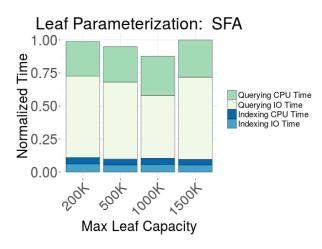
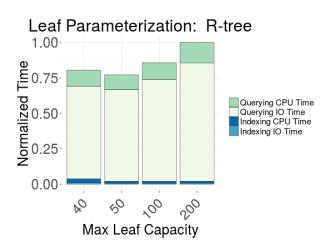
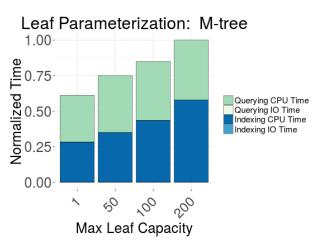
#### Karima Echihabi, Kostas Zoumpatianos, Themis Palpanas, Houda Benbrahim

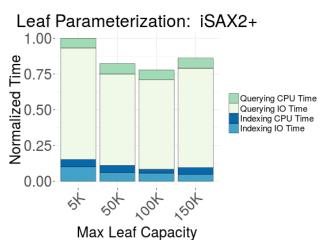
### Leaf Size Parameterization

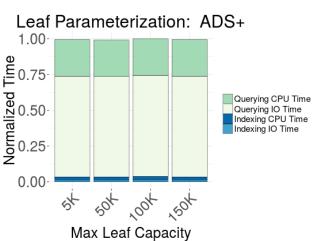




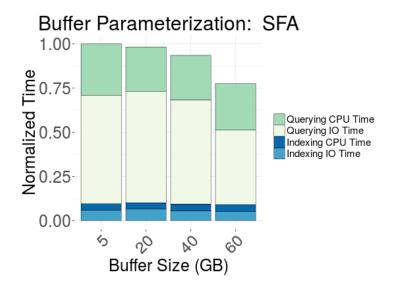


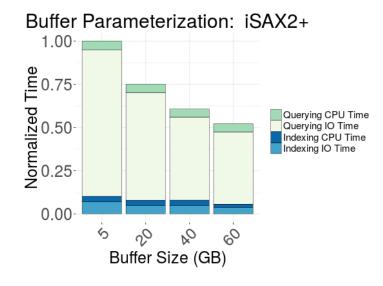


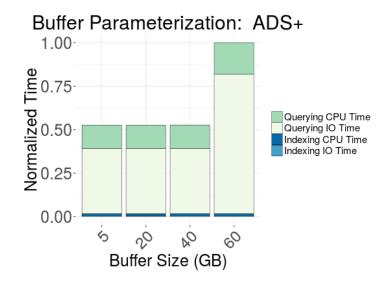


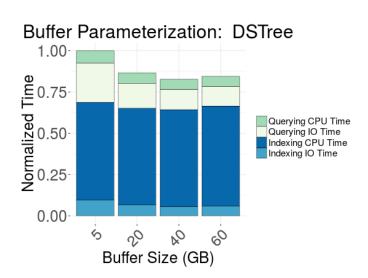


# **Buffer Size Parameterization**



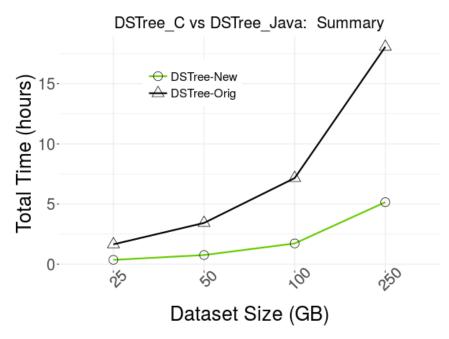




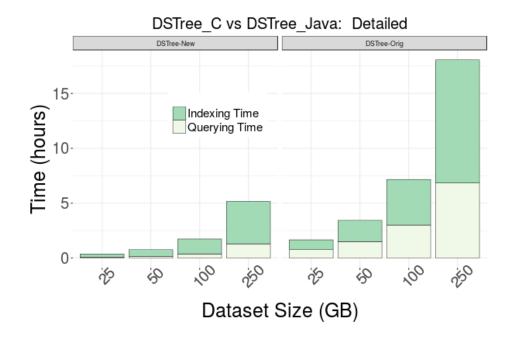


# New DSTree Performance Improvements

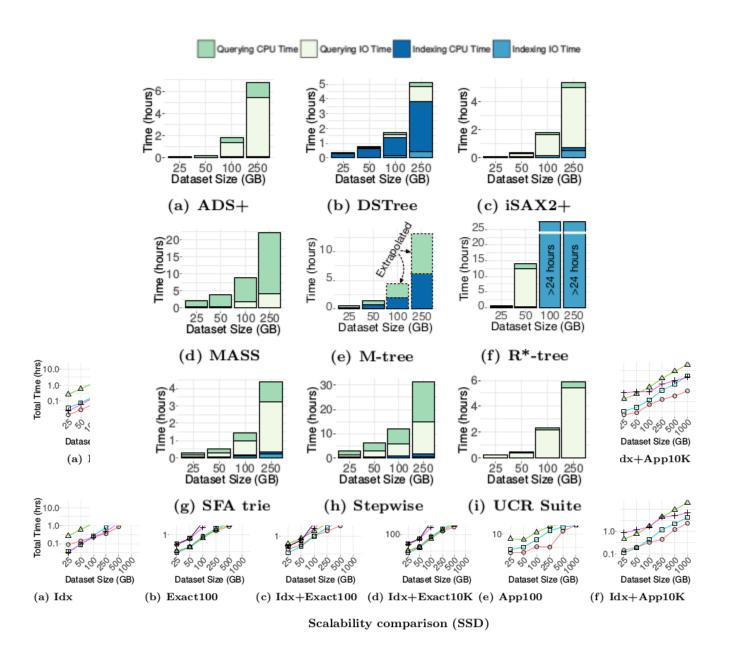
#### **Combined Indexing and Querying Times**



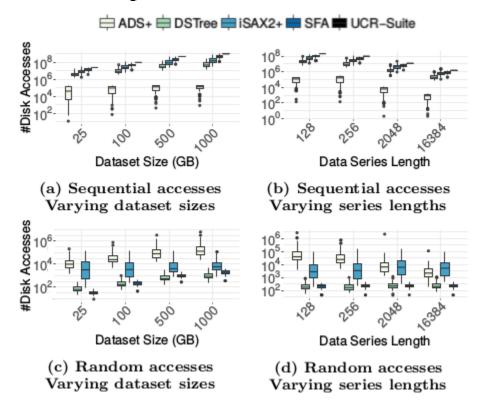
#### **Detailed Indexing and Querying Times**



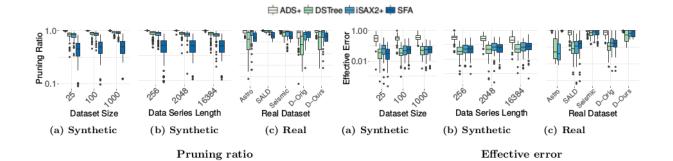
# Scalability and Search Efficiency vs. Datasize



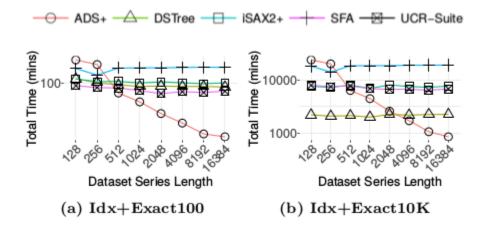
### Comparison of Disk Accesses



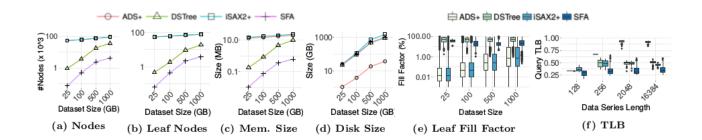
# Comparison of Pruning and Effective Error



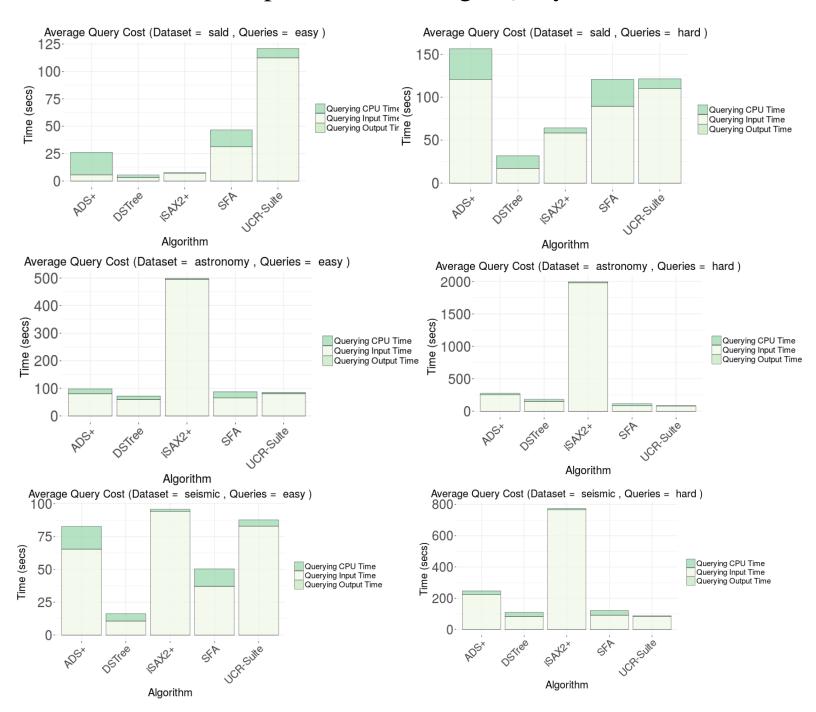
# Scalability and Search Efficiency vs. Length

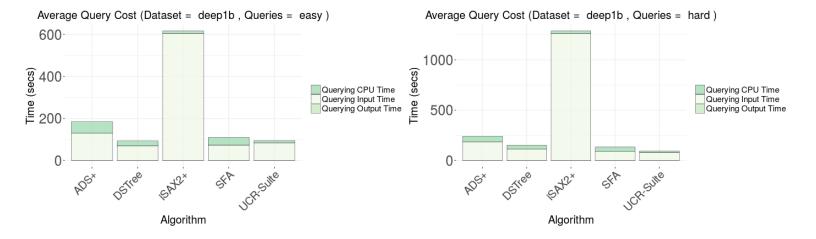


### Memory/Disk Footprint + TLB

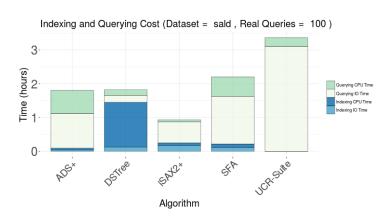


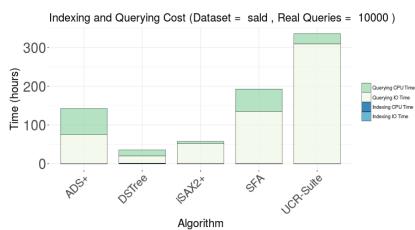
# Real Data Experiments-Average Query Time-HDD

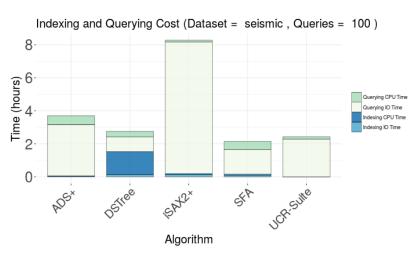


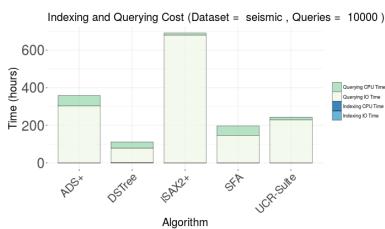


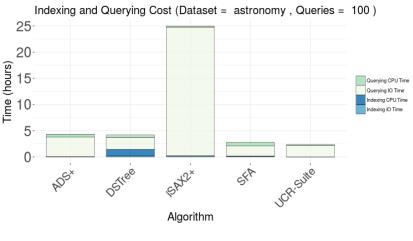
# Real Data Experiments-Total Workload Time-HDD

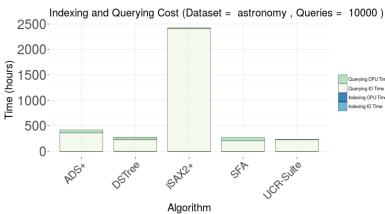


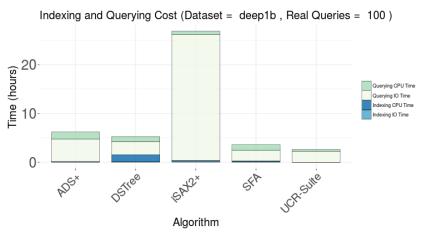


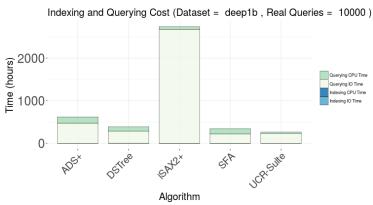


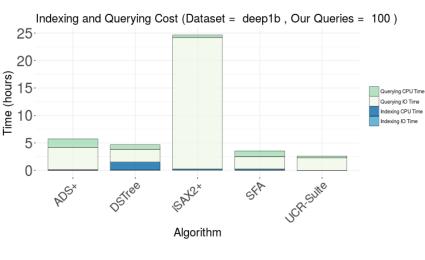


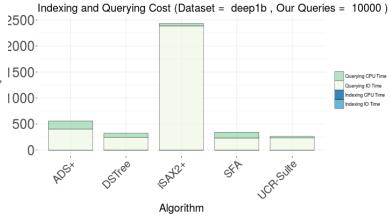




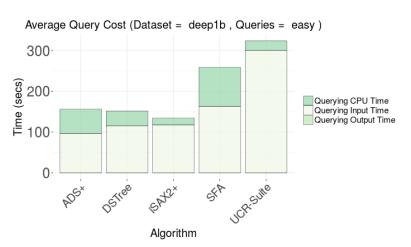


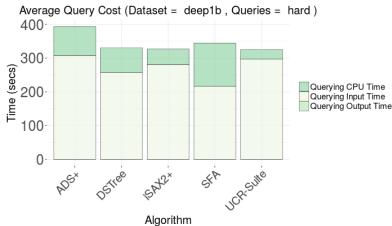


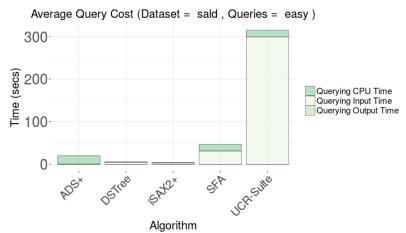


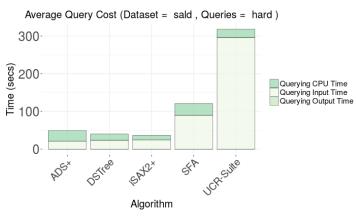


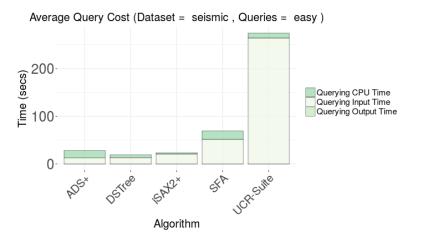
# Real Data Experiments-Average Query Time-SSD

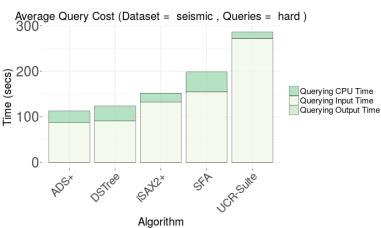


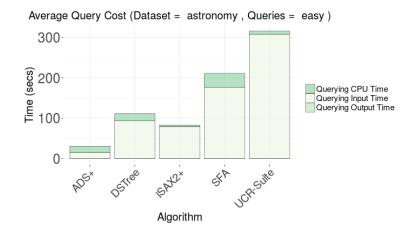


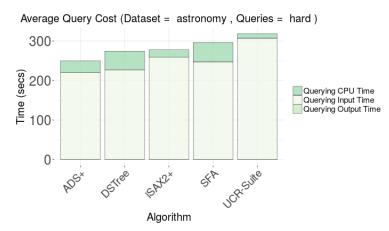












# Real Data Experiments-Total Workload Time-SSD

