

Publications

Fully dynamic maximal matching in $O(\log n)$ update time Surender Baswana, Manoj Gupta, Sandeep Sen
FOCS 2011

On Dynamic Optimality for Binary Search Trees Navin Goyal, Manoj Gupta

The update complexity of selection and related problems Manoj Gupta, Yogish Sabharwal, Sandeep Sen
FSTTCS 2011

An $O(\log n)$ Fully Dynamic Algorithm for Maximum matching in a tree Manoj Gupta, Ankit Sharma

Maintaining Approximate Maximum Weighted Matching in Fully Dynamic Graphs Abhash Anand , Surender Baswana, Manoj Gupta, Sandeep Sen

Fully Dynamic $(1+\epsilon)$ Approximate Matchings Manoj Gupta and Richard Peng, FOCS 2013

Maintaining Approximate Maximum Matching in an Incremental Bipartite Graph in Polylogarithmic Update Time Manoj Gupta FSTTCS 2014

Fully Dynamic Maximal Matching in $O(\log n)$ Update Time. Surender Baswana, Manoj Gupta, Sandeep Sen
SIAM J. Comput.

The robust knapsack problem with queries. Marc Goerigk, Manoj Gupta, Jonas Ide, Anita Schöbel, Sandeep Sen
Computers & OR