Publications

PUBLICATIONS

• On the upper tail problem for random hypergraphs *RANDOM STRUCTURES & ALGORITHMS*
  Liu, Y. P., Zhao, Y.
  2020

• Constant Girth Approximation for Directed Graphs in Subquadratic Time
  Chechik, S., Liu, Y. P., Rotem, O., Sidford, A., Makarychev, K., Makarychev, Y., Tulsiani, M., Kamath, G., Chuzhoy, J.
  ASSOC COMPUTING MACHINERY.2020: 1010–23

• Unit Capacity Maxflow in Almost O(m(4/3)) Time
  Kathuria, T., Liu, Y. P., Sidford, A., IEEE
  IEEE.2020: 119-130

• Near-optimal Approximate Discrete and Continuous Submodular Function Minimization
  Axelrod, B., Liu, Y. P., Sidford, A., ACM
  ASSOC COMPUTING MACHINERY.2020: 837–53

• Faster Energy Maximization for Faster Maximum Flow
  Liu, Y. P., Sidford, A., Makarychev, K., Makarychev, Y., Tulsiani, M., Kamath, G., Chuzhoy, J.
  ASSOC COMPUTING MACHINERY.2020: 803–14

• Parallel Reachability in Almost Linear Work and Square Root Depth
  Jambulapati, A., Liu, Y. P., Sidford, A., IEEE
  IEEE COMPUTER SOC.2019: 1664–86