

Manoussakis, Y.; Tuza, Z.

Polynomial algorithms for finding cycles and paths in bipartite tournaments. (English)

Zbl 0715.05042

SIAM J. Discrete Math. 3, No. 4, 537-543 (1990).

The paper gives algorithms for finding Hamiltonian cycles in a bipartite tournament in $O(n^{2.5})$ steps, for finding Hamiltonian paths in a bipartite tournament in $O(n^{2.5})$ time, and for finding cycles through two specified nodes in a bipartite tournament in $O(n^3)$ time, where n is the number of nodes of the bipartite tournament.

Reviewer: [Wai-Kai Chen](#)

MSC:

05C38 Paths and cycles

05C85 Graph algorithms (graph-theoretic aspects)

68R10 Graph theory (including graph drawing) in computer science

Cited in **2** Reviews
Cited in **3** Documents

Keywords:

[algorithms](#); [finding Hamiltonian cycles](#); [bipartite tournament](#); [finding Hamiltonian paths](#); [finding cycles](#)

Full Text: [DOI](#)