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Sherali-Adams relaxations and indistinguishability in counting logics.  (English)
Zbl 1347.68175

MSC:
68Q19  Descriptive complexity and finite models
03C13  Model theory of finite structures
03C80  Logic with extra quantifiers and operators
05C60  Isomorphism problems in graph theory (reconstruction conjecture, etc.) and homomorphisms (subgraph embedding, etc.)
05C85  Graph algorithms (graph-theoretic aspects)
68Q17  Computational difficulty of problems (lower bounds, completeness, difficulty of approximation, etc.)
90C05  Linear programming
90C57  Polyhedral combinatorics, branch-and-bound, branch-and-cut

Keywords:
counting logics; graph isomorphism; lift-and-project; linear programming; pebble games; Sherali-Adams relaxations; Weisfeiler-Lehman algorithm

Full Text: DOI Link

References:

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