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A new multilayered PCP and the hardness of hypergraph vertex cover. (English)

Zbl 1079.68039

SIAM J. Comput. 34, No. 5, 1129-1146 (2005).

MSC:

68Q15 Complexity classes (hierarchies, relations among complexity classes, etc.)

68Q17 Computational difficulty of problems (lower bounds, completeness, difficulty of approximation, etc.)

05C65 Hypergraphs

05C85 Graph algorithms (graph-theoretic aspects)

Cited in **2** Reviews
Cited in **36** Documents

Keywords:

hypergraph vertex cover; hardness of approximation; probabilistically checkable proof; multilayered outer verifier; long-code

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