



Dr. Mustafa Atici Department of Computer Science

Research Interests:

- Graph Theory
- Graph Algorithms
- Combinatorial Mathematics
- Security-Cryptography





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- My main research interests are in cryptography, combinatorics their interactions and graph theory.
- Recently I have been working on graph integrity.
 - M. Atici. Graph Coloring: Color sequence and Algorithm for Color sequence, {Proceedings of the 49-th Annual Association for Computing Machinery Southeast Conference}, March 24-26 Kennesaw Georgia, 2011, pp 150-154.
 - M. Atici and C.Ernst. On the Range of Possible Integrities of Graph \$G(n,k)\$, {\it Graphs and Combinatorics} Vol 27(2011) 475-485
 - M. Atici, R. Crawford, and C. Ernst. The Integrity of small cage graphs, {\it Australasian Journal of Combinatorics} Volume 43(2009), pp 39-55.
 - M. Atici, Data Retrieval and Extremal Set, {\it International Journal: Mathematical Manuscripts (IJMM)} Volume 1, Number 1(2007),pp 27-32.
 - M. Atici. (t,k)-Geodetic Set of a Graph.{\it Ars Combinatoria} {\bf 82}(2007), pp. 201-210.
 - M. Atici, R. Crawford, and C. Ernst. New Upper Bounds for the Integrity of Cubic Graphs. International Journal of Computer Mathematics Vol. 81, No.11, November 2004, pp.1341-1348.
 - M. Atici. On the Edge Geodetic Number of a Graph. International Journal of Computer Mathematics 80 (7) 2003), pp 853-861.
 - M. Atici and A. Vince. Geodesics in graphs, an Extremel set problem, and Perfect Hash Families. Graphs and Combinatorics, (18)(2002), 403-413.
 - M. Atici. Computational Complexity of Geodetic Set. International Journal of Computer Mathematics 79(5)(2002), pp 587-591.