

Dept. of Mathematical Sciences Isfahan Univ. of Technology Isfahan, Iran. 84156-83111, Isfahan, I.R. Iran

Ramin Javadi Jourtani

	Sharif University of Technology Ph.D. in Mathematics Sep. 2007 – Sep. 2011
Education	
	• Title of Thesis: Isoperimetric problems on graphs.
	Under Supervision of Prof. Amir Daneshgar
	Isfahan University of Technology M.Sc. in Mathematics Sep. 2005- July 2007
	• Title of Thesis: Chip-firing game and <i>b</i> -coloring of graphs.
	Under Supervision of Prof. Behnaz Omoomi
	Isfahan University of Technology B.Sc. in Mathematics Sep. 2002- July 2005
Research interests	Graph Theory, Combinatorics, Geometric Analysis of Graphs, Computational Complexity, Algorithms
	compromy, ragonalia
	Graduated with 1 st rank among the mathematics Ph.D. students in Sharif
Honors and awards	university of technology. (Spring 2011)
	Graduated with 1st rank among the mathematics graduate students in Isfahan university of technology. (Spring 2007)
	Distinguished graduate thesis , Isfahan University of Technology among all theses completed from 2004 until 2007. (Spring 2007)
	Graduated with 1st rank among the pure mathematics undergraduate students (Summer 2005)
	Awarded third prize in the 12 th international mathematics competition, Blagovgrad, Bulgaria. (Summer 2005)
	Awarded second prize in the 29 th mathematics competition held by Iranian Mathematical Society. (Spring 2005)
	Awarded second prize in the essay-writing competition held by Iranian Mathematical Society. (April 2003)
Appointments	Since Aug. 2011 Isfahan University of Technology, Assistant Professor in Mathematics

Papers in Refereed Journals	[1] R. Javadi, Z. Maleki, B. Omoomi, on the local clique covering of graphs, Submitted.
	[2] A. Daneshgar, R. Javadi, B. Shariat Razavi, <i>Clustering using isoperimetric number of trees</i> , Submitted.
	[3] A. Daneshgar and R. Javadi, <i>On the complexity of isoperimetric problems on trees,</i> Discrete Appl. Math. 160 (2012) 116-131.
	[4] A. Daneshgar, R. Javadi and L. Miclo, <i>On nodal domains and higher-order Cheeger inequalities of finite reversible Markov processes</i> , Stochastic Processes and their Applications 122 (2012) 1748–1776.
	[5] A. Daneshgar, H. Hajiabolhassan and R. Javadi, <i>On the isoperimetric spectrum of graphs, J. Com. Theory B.</i> 100 (2010) 390–412.
	[6] R. Javadi and B. Omoomi, <i>On the b-coloring of Kneser graphs</i> , Discrete Math. 309 (2009) 4399-4408.
	[7] R. Javadi and B. Omoomi, <i>b-coloring of Cartesian product of graphs</i> , to appear in Ars combinatoria.
	[8] R. Javadi and B. Omoomi, <i>Strategy of conflicts in game theory</i> , Farhang va Andishe Riyazi 40 (2008) 47-62. (in Farsi)
Papers in Conferences	[1] A. Daneshgar and R. Javadi. <i>Isoperimetry problems on trees</i> . International Workshop of Graph Coloring and its Application, Tiruchirappalli, India, 7-9 Aug. 2010. (Invited Speaker)
	[2] B. Omoomi and R. Javadi. <i>b-Coloring of Kneser graphs</i> . 39th Annual Iranian Mathematical Conference, Shahid Bahonar University of Kerman, 24-27 Aug. 2008.
	[3] R.Javadi and B. Omoomi. <i>On the dominating coloring of graphs</i> . 38th Annual Iranian Mathematical Conference, University of Zanjan, 3-6 Sep. 2007.
	[4] B. Omoomi and R. Javadi. <i>On the b-coloring of some special graphs</i> , 21st British Combinatorial Conference. University of Reading, 8-13 July 2007.
Books	[1] B. Omoomi and R. Javadi, Combinatorial games, <i>Jahad Daneshgahi</i> , 2010 (in Farsi).
	[2] R. Javadi, TeX Tutorial, Amoozeshhaye Bonyadi, 2012 (in Farsi).
Conferences and workshops participated	International Conference on Recent Trends in Graph Theory and Combinatorics, Cochin, India, 12-15 Aug. 2010.
	38 th Annual Iranian Mathematical Conference, University of Zanjan, 3-6 Sep. 2007.

Workshop of "Algebraic graph theory", IPM, Tehran, May 2007.

36th Annual Iranian Mathematical Conference, University of Yazd, Iran, Sep. 2005.

35th Annual Iranian Mathematical Conference, Shahid Chamran University, Ahvaz, Iran, Jan. 2005.

Courses Taught

Graph Theory

Combinatorics

Calculus

Advanced Graph Theory

Discrete Mathematics

Mathematical Engineering