

VIII Latin American Workshop on Cliques in Graphs

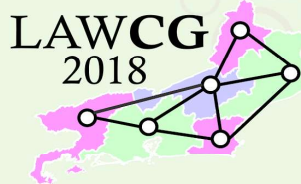
ICM 2018 Satellite Event

August 9-11, 2018 Rio de Janeiro, RJ



09 August

Time	Room 1 (Room 515 on the 5th floor)	Room 2 (Auditorium 5 on the 5th floor)
09:00	Registration	
10:00	<p>1. Critical ideals of graphs and applications. <i>Carlos A. Alfaro, Jephian C.-H. Lin.</i></p> <p>2. Some Spectral Properties of Fullerooids-(3, 4, 6). Celso M. da Silva Jr., <i>Diego de S. Nicodemos.</i></p> <p>3. Some spectral properties of spider graphs. Renata R. Del-Vecchio, Lucas L. S. Portugal, <i>Celso M. da Silva Jr..</i></p> <p>4. The Zero-Divisor Graphs of the Direct Product of Commutative Rings. <i>André Ebling Brondani,</i> Francisca Andrea Macedo França, Daniel Felisberto Traciná Filho.</p>	<p>5. Arc-disjoint branching flows. A. Karolinnna Maia, <i>Jonas Costa,</i> Raul Lopes.</p> <p>6. A linear algorithm to find the distance in Cayley Graph H_1, p. <i>C. S. R. Patrão,</i> D. Castonguay, A. C. Ribeiro, L. A. B. Kowada.</p> <p>7. A pseudo-polynomial algorithm for the two-dimensional guillotine cutting stock. Ueverton Souza, <i>Leonardo Perazzini,</i> Pedro Henrique Gonzalez.</p> <p>8. Tessellations on graphs with few P_4's. <i>Alexandre Abreu,</i> Franklin Marquezino, Daniel Posner.</p>
11:00	Coffre Break (on the 5th floor)	
11:30	Plenary Talk (Auditorium 1 on the ground floor) -- On the genus of dense graphs Bojan Mohar	
12:30	Lunch	
14:00	<p>9. Pebbling in Semi-2-Trees. Liliana Alcón, Marisa Gutierrez, <i>Glenn Hurlbert.</i></p> <p>10. Determining optimum tree t-spanners for split graphs and cographs. <i>Fernanda Couto,</i> Luís Cunha, Diego Ferraz.</p> <p>11. A kernelization algorithm for Closest String parameterized by the number of input strings. <i>M. B. Stockinger,</i> U. S. Souza.</p> <p>12. Prismas complementares com 2-atribuição de papéis. <i>Diane Castonguay,</i> Elisângela Silva Dias, Fernanda Neiva Mesquita.</p>	<p>13. A forbidden subgraph characterization of nested and 2-nested graphs. Guillermo Durán, Luciano N. Grippo, <i>Nina Pardal,</i> Martín D. Safe.</p> <p>14. On Gallai and anti-Gallai chordal graphs. G. A. Durán, <i>F. Fernández Slezak,</i> L. N. Grippo, F. S. Oliveira, M. D. Safe.</p> <p>15. Characterizing Star Graphs. <i>Guilherme de C. M. Gomes,</i> Carlos V. G. C. Lima, Vinícius F. dos Santos.</p> <p>16. New results on dually-CPT graphs. L. Alcón, <i>N. Gudíño,</i> M. Gutierrez.</p>
15:00	<p>17. Vector Domination Problem on the family of Split-Indifference Graphs. <i>Rodrigo Lambert Majort,</i> Fábio Protti.</p> <p>18. Determinant families of dually chordal graphs. <i>Pablo De Caria.</i></p> <p>19. Characterization by forbidden subgraphs of near-bipartite P_4-tidy graphs. <i>Fábio Silva,</i> Raquel Bravo, Rodolfo Oliveira, Uéverton Souza.</p> <p>20. Characterizing General Fullerene Graphs. S. Dantas, L. Faria, A. Furtado, S. Klein, <i>D. Nicodemos.</i></p>	<p>21. On the adjacent vertex-distinguishing total coloring of power of cycles. <i>J.D. Alvarado,</i> S. Dantas.</p> <p>22. Identifying codes in complementary prisms. <i>Juliana Paula Félix,</i> Márcia Rodrigues Cappelle.</p> <p>23. On identifying codes in the Cartesian product of a star and a path. <i>Juliana Paula Félix,</i> Márcia Rodrigues Cappelle.</p> <p>24. Sobre Códigos Corretores de Distância Hamming 3. <i>Natália Pedroza,</i> Paulo E. Pinto, Jayme L. Szwarcfiter.</p>
16:00	Coffre Break (on the 5th floor)	
16:30	<p>25. The Biclique Graph of K_3-free Graphs are the Square of Some Graph. Marina Groshaus, <i>André L. P. Guedes.</i></p> <p>26. On the Diameter of Spherical Fullerene Graphs. S. Dantas, <i>V. Linder,</i> D. Nicodemos.</p> <p>27. Some forbidden structures for the near-bipartition problem on distance-hereditary graphs. <i>Rodolfo Oliveira,</i> Raquel Bravo, Uéverton Souza, Fabio Silva.</p> <p>28. Caracterização estrutural de grafos-(1, 2) bem-cobertos. <i>S. R. Alves,</i> F. Couto, L. Faria, S. Gravier, S. Klein, U. dos S. Souza.</p>	<p>29. An optimal algorithm to totally color some power of cycle graphs. <i>Alesom Zorzi,</i> Celina de Figueiredo, Raphael Machado.</p> <p>30. Equitable total coloring of graphs with universal vertex. <i>Mayara Midori Omai,</i> Sheila Moraes de Almeida, Diana Sasaki Nobrega.</p> <p>31. A Recolouring Procedure for Total Colouring. <i>L. M. Zatesko,</i> R. Carmo, A. L. P. Guedes.</p> <p>32. The b-continuity of graphs with large girth. <i>Allen Ibiapina,</i> Ana Silva.</p>
17:30	Welcome Ceremony at UERJ	



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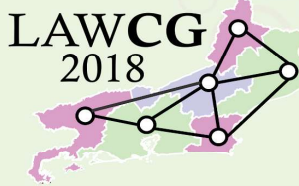
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10 August

Time	Room 1 (Room 515 on the 5th floor)	Room 2 (Auditorium 5 on the 5th floor)
09:00	33. On the null structure of bipartite graphs without cycles of length multiple of 4. Daniel A. Jaume, Gonzalo Molina, <i>Adrián Pastine</i> .	37. Colorings, Cliques and Relaxations of Planarity. <i>Val Pinciu</i> .
	34. Proper gap-labellings of unicyclic graphs. <i>C. A. Weffort-Santos</i> , C. N. Campos, R. C. S. Schouery.	38. Algoritmos para os Casos Polinomiais da Coloração Orientada. <i>Mateus de Paula Ferreira</i> , Hebert Coelho da Silva.
	35. A Decomposition for Edge-colouring. <i>João Pedro W. Bernardi</i> , Sheila M. de Almeida, Leandro M. Zatesko.	39. Equitable total coloring of classes of tripartite complete graphs. A.G. da Silva, <i>D. Sasaki</i> , S. Dantas.
	36. The Colourability problem on (r, l)-Graphs and a few parametrized solutions. <i>M. S. D. Alves</i> , U. S. Souza.	40. Graphs with small fall-spectrum. <i>Ana Silva</i> .
10:00	41. Coloring Game: characterization of a $(3, 4^*)$-caterpillar. S. Dantas, C.M.H. de Figueiredo, <i>A. Furtado</i> , S. Gravier.	45. Knot-Free Vertex Deletion Problem: Parameterized Complexity of a Deadlock Resolution Graph Problem. <i>Alan D. A. Carneiro</i> , Fábio Protti, Uéverton S. Souza.
	42. Matching problem for vertex colored graphs. <i>Martín Matamala</i> .	46. A Parameterized Complexity Analysis of Clique and Independent Set in Complementary Prisms. <i>Priscila Camargo</i> , Alan D. A. Carneiro, Uéverton S. Souza.
	43. Alguns Resultados em Coloração Orientada e Clique Coloração Orientada. <i>Hebert Coelho</i> , Luerbio Faria, Sylvain Gravier, Sulamita Klein.	47. The Diverse Vertex Covers Problem. Julien Baste, <i>Michael R. Fellows</i> , Lars Jaffke, Mateus de Oliveira Oliveira, Frances A. Rosamond.
	44. On the convexity number for complementary prisms. Diane Castonguay, Erika M. M. Coelho, Hebert Coelho, <i>Julliano R. Nascimento</i> .	48. Directed tree-width is FPT. A. Karolinnna Maia, <i>Raul Lopes</i> , Victor Campos.
11:00	Coffre Break (on the 5th floor)	
11:30	Plenary Talk (Auditorium 1 on the ground floor) -- Clique Operators in Digraphs Marisa Gutierrez	
12:30	Lunch	
14:00	49. P₃-Helly number of graphs with few P₄. <i>Moisés T. Carvalho</i> , Simone Dantas, Mitre C. Dourado, Daniel Posner, Jayme L. Szwarcfiter.	53. Covering a body using unequal spheres and the problem of finding covering holes. <i>Helder Manoel Venceslau</i> , Marilis Bahr Karam Venceslau, Nelson Maculan.
	50. On the P₃-Hull Number for Strongly Regular Graphs. <i>Erika M. M. Coelho</i> , Braully R. Silva, Hebert Coelho.	54. New proposals for the Problem of Covering Solids using Spheres of Different Radii. <i>Pedro Henrique González</i> , Ana Flavia U. S. Macambira, Renan Vicente Pinto, Luídi Simonetti, Nelson Maculan, Philippe Michelon.
	51. Sobre o número de Sierksma de um grafo. <i>Felipe Pereira do Carmo</i> , Carlos Alberto de Jesus Marthinon, Uéverton dos Santos Souza, Moisés Teles Carvalho Junior.	55. Connectivity of cubical polytopes. Hoa Bui Thi, <i>Guillermo Pineda-Villavicencio</i> , Julien Ugon.
	52. The Rank on the Graph Geodetic Convexity. M.T. Carvalho, S. Dantas, C.V.G.C. Lima, <i>V. Linder</i> , V.F. dos Santos.	56. A strategy to select vertices as candidates for routers in a Steiner tree. João Guilherme Martinez, <i>Rosiane de Freitas</i> , Altigran da Silva, Fábio Protti.
15:00	57. Powers of Circular-Arc Models. Francisco J. Soullignac, <i>Pablo Terlisky</i> .	61. Pursuit Games on graphs with few P₄'s. <i>Nicolas Martins</i> , Rudini Sampaio.
	58. Digrafo de intersección de torneos transitivos maximales. <i>G. Sánchez Vallduví</i> , M. Gutiérrez, B. Llano.	62. Clobber game as executive functions test. <i>T. Pará</i> , S. Dantas, S. Gravier, L.A.V. de Carvalho, P. Mattos.
	59. Extremal unit circular-arc models. <i>Francisco J. Soullignac</i> , Pablo Terlisky.	63. On the Minimum Broadcast Time Problem. Diego Delle Donne, <i>Ivo Koch</i> .
	60. Circular-arc Bigraphs and the Helly subclass. Marina Groshaus, André Luiz Pires Guedes, <i>Fabricio Schiavon Kolberg</i> .	64. On distance colorings, graph embedding and IP/CP models. <i>Rosiane de Freitas</i> , Bruno Dias, Nelson Maculan, Javier Marrenco, Philippe Michelon, Jayme Szwarcfiter.
16:00	Coffre Break (on the 5th floor)	
16:30	Plenary Talk (Auditorium 1 on the ground floor) -- New results on intersecting families of subsets Gyula O.H. Katona	
17:30	Social Event at CEFET	



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11 August

Time	Room 1 (Room 515 on the 5th floor)	Room 2 (Auditorium 5 on the 5th floor)
09:00	65. On bicliques and the second clique graph of suspensions. M.A. Pizaña, <i>L.A. Robles</i> .	69. B1-EPG-Helly Graph Recognition. Claudson Bornstein, <i>Tanilson Santos</i> , Uéverton Souza, Jayme Szwarcfiter.
	66. On a Class of Proper 2-Thin Graphs. <i>M. S. Sampaio Jr.</i> , F. S. Oliveira, J. L. Szwarcfiter.	70. The Terminal connection problem on strongly chordal graphs and cographs. <i>A. A. Melo</i> , C. M. H. Figueiredo, U. S. Souza.
	67. On Orthodox Tree Representations of $K_{n,m}$. C.F. Bornstein, <i>J.W. Coura Pinto</i> , J.L. Szwarcfiter.	71. Complexity Analysis of the And/Or graph Solution Problem on Planar Graphs. <i>M. R. Alves</i> , U. S. Souza.
	68. Biclique Graphs of Interval Bigraphs and Circular-arc Bigraphs. <i>E. P. Cruz</i> , M. Groschaus, A. L. P. Guedes.	72. Weighted proper orientations of trees and graphs of bounded treewidth. Julio Araujo, <i>Cláudia Linhares Sales</i> , Ignasi Sau, Ana Silva.
10:00	73. Sobre los grafos PVPG: una subclase de los grafos vértice intersección de caminos en una grilla. <i>Liliana Alcón</i> , Flavia Bonomo, María Pía Mazzoleni, Fabiano Oliveira.	77. Worst cases in constrained LIFO pick-up and delivery problems. <i>Sebastián Urrutia</i> , Dominique de Werra.
	74. Clique-divergence is not first-order expressible for the class of finite graphs. Carmen Cedillo, <i>Miguel Pizaña</i> .	78. Size Multipartite Ramsey Number. <i>Pablo Henrique Perondi</i> , Emerson Luiz do Monte Carmelo.
	75. On Clique-Inverse Graphs of Graphs with Bounded Clique Number. Liliana Alcón, Sylvain Gravier, Claudia Sales, Fabio Protti, <i>Gabriela Ravenna</i> .	79. Maximum number of edges in graphs with prescribed maximum degree and matching number. Pinar Heggenes, Jean R. S. Blair, <i>Paloma T. Lima</i> .
	76. The unit-demand envy-free pricing problem applied to the sports entertainment industry. Marcos Salvatierra, <i>Rosiane de Freitas</i> .	80. An extremal problem on the interval counts. <i>L. S. Medeiros</i> , F. S. Oliveira, J. L. Szwarcfiter.
11:00	Coffre Break (on the 5th floor)	
11:30	Plenary Talk (Auditorium 1 on the ground floor) -- Minimizing the Solid Angle Sum of Orthogonal Polyhedra and Edge Guarding Jorge Urrutia	
19:00	Social Event at Lapa	

Institutions and Societies

Venue

