

**PROJECT 174033:
GRAPH THEORY AND MATHEMATICAL PROGRAMMING
WITH APPLICATIONS TO CHEMISTRY AND COMPUTER
SCIENCE**

Publications in 2012

MONOGRAPHS AND CHAPTERS IN MONOGRAPHS

1. X. Li, Y. Shi I. Gutman,
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2. I. Gutman, Y. Zhang, M. Dehmer, A. Ilić,
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in: I. Gutman, B. Furtula (Eds.), *Distance in Molecular Graphs - Theory*, University of
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DOCTORAL DISSERTATIONS

1. Tatjana Aleksić,
Grafovi čija je najmanja karakteristična vrednost minimalna u nekim klasama grafova,
(Graphs whose least eigenvalue is minimal in some classes of graphs, Serbian), doctoral
thesis, University of Kragujevac, Faculty of Science, September 2012, Supervisor
Miroslav Petrović

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Subproject 1: Spectral graph theory

1. M. Anđelić, C.M.da Fonseca, S.K. Simić, and D.V. Tošić,
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2. M. Anđelić, C.M.da Fonseca, S.K. Simić, and D.V. Tošić,
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3. M. Anđelić, C.M.da Fonseca, T. Koledin, Z. Stanić,
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8. I. Gutman, B. Furtula, E. O. D. Andriantiana, M. Cvetić,
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9. T. Tamizh Chelvam, S. Raja, I. Gutman,
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10. I. Gutman,
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11. I. Gutman,
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12. G.H. Fath-Tabar, A.R. Ashrafi, D. Stevanović,
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13. D. Stevanović, M. Petković, M. Bašić,
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14. M. Lepović,
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15. B. Liu, Lj. Pavlović, J. Liu, T. Divnić, M. Stojanović,
On the conjecture of Aouchiche and Hansen about the Randić index,
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17. T. Réti, I. Gutman,
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23. D. Vukičević, J. ĐurĐević, I. Gutman,
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Subproject 4: Structural graph theory and algorithms

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