

Табела 8.1. Листа одбрањених докторских дисертација-докторских уметничких пројеката у високошколској установи у претходне три школске године са резултатима који су објављени или прихваћени за објављивање

ДЕПАРТМАН ЗА ФИЗИКУ				
Име кандидата	Име ментора	Назив дисертације	Публиковани резултати	*М
Дарко В. Радованчевић	Др Љубиша Нешић	Двоосцилаторни и модели типа слободне честице у космологији. 17/12/2016	Lj. Nešić and D. Radovančević, Size of the early universe and GUP, MODERN PHYSICS LETTERS A, Vol 34, No 22, 1950178 (2019) IF (2018): 1.367	M23
			G. S. Đorđević, Lj. Nešić and D. Radovančević, Minisuperspace FLRW oscillator cosmological model and generalized uncertainty principle, <i>Class. Quantum Grav.</i> 35 195002 (2018) IF (2018): 3.487	M22
			G. S. Djordjevic, Lj. Nestic and D. Radovancevic, Two-oscillator Kantovski-Sachs model of the Schwarzschild black hole interior, <i>General Relativity and Gravitation</i> Vol. 48 , No. 8, 1-20 (2016) IF (2014) : 1.771	M22
			Goran S. Djordjevic, Ljubisa Nestic and Darko Radovancevic, Signature Change in p-Adic and Noncommutative FRW Cosmology, International Journal of Modern Physics A, Vol. 29, No. 27, 1450155 [16 pages] (2014); IF (2014): 1.699	M22
			Goran S. Djordjevic, Ljubisa Nestic and Darko Radovancevic, A new look at the Milne Universe and its ground state wave functions, Romanian Journal of Physics, Vol. 58, No. 5-6, 560-572 (2013); IF (2013): 0.745	M23
			Darko Radovancevic and Ljubisa Nestic, Kantowski-Sachs minisuperspace cosmological model on noncommutative space, Facta Universitatis, Series: Physics, Chemistry and Technology (FU Phys Chem	M51

			Tech), Vol. 14, No. 1, 21-26 (2016)	
Славица Ј. Кузмановић	Др Александра Малуцков	Контрола формирања и простирања локализованих структура у фотонским решеткама с дефектима. 22/12/2016	Kuzmanovic S., Stojanovic-Krasic M., Milovic D., Radosavljevic A., Gligoric G., Maluckov A., Stepic M., 'Defect induced wave-packet dynamics in linear photonic lattices', Physica Scripta 90, 025505 (2015).	M22
			Kuzmanovic S., Stojanovic-Krasic M., Milovic D., Miletic M., Radosavljevic A., Gligoric G., Maluckov A., Stepic M., 'Light propagation inside 'cavity' formed between nonlinear defect and interface of two one dimensional linear photonic lattices', European Physical Journal D 69, 207 (2015).	M22
			S. Zdravkovic, A. Maluckov, M. Djekic, S. Kuzmanovic, M. V. Sataric, 'Are microtubules discrete or continuum systems?' Applied Mathematics and Computation 242, 353 (2014).	M21
Лана С. Пантић Ранђеловић	Др Томислав Павловић	Проучавање енергетске ефикасности соларних модула у зависности од њихове географске оријентације, угла нагиба и њихове температуре у реалним климатским условима у Нишу. 25/05/2017	T. Pavlović, I. Radonjić, D. Milosavljević, L. Pantić, A review of concentrating solar power plants in the world and their potential use in Serbia, Renewable and Sustainable energy Review, Vol. 16 (2012), Issue 6, pp. 3891-3902	M21a
			T. Pavlović, D. Milosavljević, D. Mirjanić, L. Pantić, I. Radonjić, D. Piršl, Assessments and perspectives of PV solar power engineering in the Republic of Srpska (Bosnia and Herzegovina), Renewable and Sustainable energy Review, Vol.18 (2013), pp.119-133	M21a
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			I. S. Radonjić, T. M. Pavlović, D. Lj. Mirjanić, M. K. Radović, D. D. Milosavljević, L. S. Pantić, Investigation of the impact of atmospheric pollutants on solar module energy efficiency, Thermal Science, 2017, Vol. 21, No 5, pp. 2021-2030	M23
			L. Pantić, T. Pavlović, D. Milosavljević, A practical field study of performances of solar modules at various positions in Serbia, Thermal Science (2015) Vol.19, Suppl.2, pp. 511-523	M23
			A. Radivojević, T. M. Pavlović, D. D. Milosavljević, A. Djordjević, M. Pavlović, I. Filipović, L. S. Pantić, M. Radovanović, Influence of climate and air pollution on solar energy development in Serbia, Thermal Science, 2015, Vol. 19, Suppl. 2, pp. S311-S322	M23
			T. Pavlović, I. Radonjić, D. Milosavljević, L. Pantić, D. Piršl, Assessment and potential use of concentrating solar power plants in Serbia and Republic of Srpska, Thermal Science, Vol. 16 (2012), No. 3, pp. 931-945	M23
			T. Pavlović, L. Pantić, D. Mirjanić, D. Milosavljević, D. Piršl, Energy efficiency of	M33

			differently oriented solar modules in Serbia, Proceedings of Scientific Conference UNITECH 2014, Gabrovo, 2014, 329-335.	
			L. S. Pantić, T. M. Pavlović D. D. Milosavljević, D. Lj. Mirjanić, D. S. Piršl, Physical characteristics of geographically differently oriented solar modules in Niš (Republic of Serbia), Proceedings of International Conference, Energy efficient equipment and technology in housing and communal services, O.M. Beketov National University of Urban Economy in Kharkiv, Kharkiv, 2014, 103-108.	M33
			Lana P., Tomislav P., Determination of physical characteristics of horizontally positioned solar module in real climate conditions in Nis, Serbia, Facta Universitatis, Series Physics, Chemistry and Technology, Vol. 14, No 1, pp. 37-51, 2016	M51
			T. Pavlović, Z. Pavlovic, L. Pantic, Lj. Kostic, Determining optimum tilt angles and orientations of photovoltaic panels in Nis, Serbia, Contemporary Materials I-2 (2010), pp. 151-156	M51
			T. M. Pavlović, L. S. Pantić, D. Lj. Mirjanić, D. D. Milosavljević, Proučavanje energetske efikasnosti solarnih modula od monokristalnog silicijuma u zavisnosti od njihove geografske orijentacije i ugla nagiba, Zbornik radova XII Kongresa fizičara Srbije, Društvo fizičara Srbije, Beograd, 2013, str. 440-443	M63
Милан Д. Милошевић	Др Горан Ђорђевић	Инфлаторни космолошки модели са тахионским и радионским пољима. 15/06/2017	N. Bilic, D. Dimitrijevic, G. Djordjevic, M. Milosevic, Tachyon inflation in an AdS braneworld with back-reaction, International Journal of Modern Physics A. 32 (2017) 1750039. doi:10.1142/S0217751X17500397.	M22

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			N. Bilic, D.D. Dimitrijevic, G.S. Djordjevic, M. Milosevic, M. Stojanovic, Dynamics of tachyon fields and inflation: Analytical vs numerical solutions, in: AIP Conference Proceedings, 2016: p. 50002. doi:10.1063/1.494414	M31
			Djordjevic, G. S., Dimitrijevic, D. D. & Milosevic, M. On Canonical Transformation and Tachyon-Like "Particles" in Inflationary Cosmology. Romanian Journal of Physics 61, 99–109 (2016).	M22
			Dimitrijevic, D. D., Djordjevic, G. S. & Milosevic, M. Classicalization and quantization of tachyon-like matter on (non)archimedean spaces. Romanian Reports in Physics 68, 5–18 (2016).	M22
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Владан Љ. Павловић	Др Љиљана Стевановић	Кохерентни ефекти у интеракцији конфинираног атома водоника са електромагнетним пољем.	V. Pavlović, Lj. Stevanović: <i>Electromagnetically induced transparency in a spherical quantum dot with hydrogenic</i>	M22

			<p><i>Contributed Papers & Abstracts of Invited Lectures, Topical Invited Lectures, Progress Reports and Workshop Lectures</i>, Editors: D. Marić, A. R. Milosavljević and Z. Mijatović, (Institute of Physics and Serbian Academy of Sciences and Arts, Belgrade, Serbia, 2014), p. 22-25</p>	
			<p>M. Z. Milošević and N. S. Simonović, “Calculations of Ionization Rates for Alkali-Metal Atoms in Electric Field”, <i>Proc. 28th Summer School and Int. Symp. on the Physics of Ionized Gases (SPIG 2016)</i>, <i>Contributed Papers & Abstracts of Invited Lectures, Topical Invited Lectures, Progress Reports and Workshop Lectures</i>, Editors: D. Marić, A. R. Milosavljević, B. Obradović, and G. Poparić, (Univ. of Belgrade, Faculty of Physics and Serbian Academy of Sciences and Arts, Belgrade, Serbia, 2016), p. 43-46</p>	M33
			<p>M. Z. Milošević and N. S. Simonović, “Calculations of Electron Detachment Rates for Hydrogen Negative Ion in Electric Field”, <i>Proc. 28th Summer School and Int. Symp. on the Physics of Ionized Gases (SPIG 2016)</i>, <i>Contributed Papers & Abstracts of Invited Lectures, Topical Invited Lectures, Progress Reports and Workshop Lectures</i>, Editors: D. Marić, A. R. Milosavljević, B. Obradović and G. Poparić, (Univ. of Belgrade, Faculty of Physics and Serbian Academy of Sciences and Arts, Belgrade, Serbia, 2016), p. 47-50</p>	M33
			<p>M. Z. Milošević and N. S. Simonović, “Complex-Rotation Calculations of Ionization Rates for Helium in Strong Electric Field”, <i>Proc. 29th Summer School and Int. Symp. on the Physics of Ionized Gases (SPIG2018)</i>, <i>Contributed Papers & Abstracts of Invited Lectures, Topical Invited Lectures, Progress Reports and Workshop</i></p>	M33

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			Milan Milošević, “Određivanje Štarkovog pomaka i stope jonizacije atomskih sistema sa jednim i sa dva aktivna elektrona u spoljašnjem električnom polju metodom kompleksne rotacije (Determination of the Stark shift and ionization rates for atomic systems with one and with two active electrons in external electric field by the complex rotation method)”, <i>PhD Thesis, University of Niš, 2018 (118 str.)</i> , Supervisor: Nenad Simonović, Jury: Tasko Grozdanov and Ivan Mančev	M70
Младена Г. Лукић	Др Драган Маркушев	Анализа атмосферских полутаната интелигентном импулсном фотоакустиком. 26/02/2018	Lukić, M., Čojbašić, Ž., Rabasović, M., Markushev, D., Todorović, D. (2017) <i>Laser Fluence Recognition Using Computationally Intelligent Pulsed Photoacoustics Within the Trace Gases Analysis. International Journal of Thermophysics</i> 38:165. (pp 12). DOI 10.1007/s10765-017-2296-5	M23
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			Lukić, M., Čojbašić, Ž., Rabasović, M., Markushev, D., Todorović, D. (2013) <i>Genetic Algorithms Application for the Photoacoustic Signal Temporal Shape Analysis and Energy Density Spatial Distribution Calculation. International Journal of Thermophysics</i> 34 (8-9):1466-1472. DOI 10.1007/s10765-013-1529-5	M23
			T. Pavlović, I. Radonjić, D. Milosavljević, L. Pantić, A review of concentrating solar power plants in the world and their	M21a

Ивана С. Радоњић Митић	Др Томислав Павловић	Испитивање енергетске ефикасности соларних модула у зависности од њихове запрљаности у реалним климатским условима у Нишу. 05/07/2018	potential use in Serbia, Renewable and Sustainable energy Reviews, Vol. 16 (2012), Issue 6, pp. 3891-3902	
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			L. S. Pantić, T. M. Pavlović, D. D. Milosavljević, I. S. Radonjić, M. K. Radović, G. Sazhko, The assessment of different models to predict solar module temperature, output power and efficiency for Nis, Serbia, Energy, 109 (2016), pp. 38-48	M21
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			I. S. Radonjić, T. M. Pavlović, D. Lj. Mirjanić, M. K. Radović, Investigation of solar module energy efficiency depending on their surface soiling degree, Proceedings of Scientific Conference UNITECH 2016, 18-19 November 2016, Gabrovo, Volume I, pp. 147-151,	M33
			I. S. Radonjić, T. M. Pavlović, D. Lj. Mirjanić, M. K. Radović, Investigation of the energy efficiency of soiled solar module mounted at the optimal angle, Proceedings of International Scientific Conference UNITECH 2017, 17-18 November 2017, Gabrovo, Volume I, pp. 84-88	M33
			T. Pavlović, D. Milosavljević, I. Radonjić, D. Piršl, Savremene mogućnosti korišćenja Sunčevog zračenja, Monografija Energetika i životna sredina, Srpska akademija nauka i umetnosti, Naučni skupovi, Knjiga CXLIII, Odeljenje hemijskih i bioloških nauka, Knjiga 4, Beograd, 2013, str. 259-299,	M44
			I. S. Radonjić, T. M. Pavlović, Investigation of the energy efficiency of horizontally mounted solar module soiled with CaCO ₃ , Facta Universitatis: Series Physics, Chemistry and Technology, Volume 15,	M51

			No. 2, 2017, pp. 57-69	
			T. Pavlovic Editor, T. Pavlovic, A. Tsangrassoulis, N. Dj. Cekic, P. Ts. Tsankov, D. Lj. Mirjanic, I. S. Radonjic Mitic, The Sun and Photovoltaic Technologies, ISBN 978-3-030-22402-8, Springer Verlag, 2019. 416. pp.	M11
ДЕПАРТМАН ЗА ХЕМИЈУ				
Име кандидата	Име ментора	Назив дисертације	Публиковани резултати	*М
Снежана Ч. Јовановић	др Гордана Стојановић и в др Бојан Златковић	Секундарни метаболити представника рода <i>Sedum L.</i> (<i>Crassulaceae</i>) централног Балканског полуострва и њихов хемотаксономски значај. 07/10/2016	Snežana Č. Jovanović, Bojan K. Zlatković, Gordana S. Stojanović, Distribution and variability of <i>n</i> -alkanes in epicuticular waxes of <i>Sedum</i> species from central Balkan Peninsula: the chemotaxonomic importance, <i>Chemistry and Biodiversity</i> , (2015), 12, 767-780.	M22
			Snežana Č. Jovanović, Bojan K. Zlatković, Gordana S. Stojanović, Chemotaxonomic Approach to the Central Balkan <i>Sedum</i> Species Based on Distribution of Triterpenoids in Their Epicuticular Waxes, <i>Chemistry and Biodiversity</i> , (2016), 13, 459-65.	M22
			Zlatković K. Bojan, Mitić S. Zorica, Jovanović Č. Snežana, Dmiatar V. Lakušić, Branislava S. Lakušić, Jelena Rajković, Stojanović S. Gordana, Epidermal structures and composition of epicuticular waxes of <i>Sedum album sensu lato</i> (Crassulaceae) in Balkan Peninsula, <i>Plant Biosystems</i> , 2016, 1-11.	M22
			Gordana S. Stojanović, Snežana Č. Jovanović, Bojan K. Zlatković, Distribution and Taxonomic Significance of Secondary Metabolites Occurring in the Methanol Extracts of the Stonecrops (<i>Sedum L.</i> , Crassulaceae) from the Central Balkan Peninsula, <i>Natural Product Communications</i> , (2015), 10, 941-944.	M23

			Snežana Č. Jovanović, Bojan K. Zlatković, Gordana S. Stojanović, The chemical composition of <i>Sedum rupestre</i> L. ssp. <i>rupestre</i> epicuticular waxes: horticultural versus the natural plant habitat, <i>Facta Universitatis Series: Physics, Chemistry and Technology</i> , (2015), 13, 77-82.	M51
			Snežana Č. Jovanović, Bojan K. Zlatković, Gordana S. Stojanović, Chemotaxonomic Survey on the Genus <i>Sedum</i> L. (Crassulaceae) Based on Distribution and Variability of the Epicuticular Wax Constituents, in Sustainable Development and Biodiversity vol. 24, pp. 271-293, 2019 Springer Nature Switzerland AG.	M13
Ана С. Миленковић Анђелковић	др Блага Радовановић	Екстракција, карактеризација, биолошка активност и потенцијална примена фенолних једињења из плодова и лишћа биљних врста фамилија <i>Rosaceae</i> , <i>Cornaceae</i> и <i>Grossulariaceae</i> . 15/03/2017	A. S. Milenkovic Anđelković, M. Z. Anđelković, A. N. Radovanović, B. C. Radovanović, V. Randjelović, Phenol composition, radical scavenging activity and antimicrobial activity of berry leaf extracts, <i>Bulgarian Chemical Communications</i> , 48 (1): 27– 32 (2016).	M 23
			A. S. Milenković Anđelković, M. Z. Anđelković, A. N. Radovanović, B. C. Radovanović, V. Nikolić, Phenol composition, DPPH radical scavenging and antimicrobial activity of cornelian cherry (<i>Cornus mas</i>) fruit and leaf extracts. <i>Hemijska industrija</i> 69 (4): 331–337 (2015)	M 23
			B. C. Radovanović, A. S. Milenković Anđelković, A. B Radovanović, M.Z. Anđelković, Antioxidant and Antimicrobial Activity of Polyphenol Extracts from Wild Berry Fruits grown in Southeast Serbia. <i>Tropical Journal of Pharmaceutical Research</i> 12 (5): 813-819 (2013).	M 23
Марија Д.Илић	др Весна Станков-Јовановић	Хемијски састав, антиоксидативна, антимиљробна и антихолинестеразна активност биљних врста <i>Seseli rigidum</i> и <i>Seseli pallasii</i> . 16/03/2017	Stankov - Jovanovic Vesna P, Илић Марија Д , Mitic Violeta D, Mihajilov-Krstev Tatjana M, Simonovic Strahinja R, Nikolic Mandic Snezana D, Tabet JC, Cole RB ,	M21

			<p>Secondary metabolites of <i>Seseli rigidum</i>: Chemical composition plus antioxidant, antimicrobial and cholinesterase inhibition activity, <i>Journal of pharmaceutical and biomedical analysis</i>, 111: 78-90, (2015)</p>	
			<p>Vesna Stankov Jovanović, Strahinja Simonović, Marija Ilić, Marija Marković, Violeta Mitić, Aleksandra Đorđević, Snežaba Nikolić- Mandić, Chemical Composition, Antimicrobial and Antioxidant Activities of <i>Seseli pallasii</i> Besser. (syn <i>Seseli varium</i> Trev.) Essential Oils, <i>Records of natural products</i>, 10(3): 277 - 286, (2016)</p>	M22
			<p>Marija D. Ilić, Vesna P. Stankov Jovanović, Violeta D. Mitić, Olga P. Jovanović, Tatjana M. Mihajilov-Krstev, Marija S. Marković, Gordana S. Stojanović Comparison of chemical composition and biological activities of <i>Seseli rigidum</i> fruit essential oils from Serbia, <i>Open Chemistry</i>, 13: 42–51 (2015)</p>	M23
Марко З. Младеновић	др Нико Радуловић	Комбинаторне библиотеке одабраних природних и синтетских биолошких активних естера. 18/05/2017	<p>Mladenović, Marko Z., Radulović, Niko S., The essential oil of <i>Achillea ageratifolia</i> (Sm.) Boiss. subsp. <i>serbica</i> (Nyman) Heimerl (Asteraceae) revisited: the stereochemical nomenclature issues, structural elucidation and synthesis of (new) sabinyl esters, <i>Flavour and Fragrance Journal</i>, 2017, 32, 5-23.</p>	M21
			<p>Radulović, Niko S., Mladenović, Marko Z., Randjelovic, Pavle J., Stojanović, Nikola M., Dekić, Milan S., Blagojević, Polina D., Toxic essential oils. Part IV: The essential oil of <i>Achillea falcata</i> L. as a source of biologically/pharmacologically active <i>trans</i>-sabinyl esters, <i>Food and Chemical Toxicology</i>, 2015, 80, 114-129.</p>	M21
			<p>Radulović, Niko S., Mladenović, Marko Z.,</p>	M21

			Stojanović-Radić, Zorica, Bogdanović, Goran A., Stevanović, Dragana, Vukićević, Rastko D., Synthesis, characterization and antimicrobial evaluation of a small library of ferrocene-containing acetoacetates and phenyl analogs - the discovery of a potent anticandidal agent, <i>Molecular Diversity</i> , 2014, 18, 497-510.	
			Radulović, Niko S., Mladenović, Marko Z. , Stojanović-Radić, Zorica, Synthesis of small libraries of natural products: New esters of long-chain alcohols from the essential oil of <i>Scandix pecten-veneris</i> L. (Apiaceae), <i>Flavour and Fragrance Journal</i> , 2014, 29, 255-266.	M21
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Милош Д. Цветковић	Др Снежана Живковић-Златановић	Декомпозиције Катоовог типа и уопштења Дразинове инвертибилности. 10/10/2017	<p>M. D. Cvetković, <i>Generalized Drazin invertibility of operator matrices</i>, Linear and Multilinear Algebra, 66 (2018), 692-703.</p>	M21
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Ненад О. Весић	Др Мића Станковић	Скоро геодезијска пресликавања генералисаних Риманових простора и уопштења. 19/06/2018	N. O. Vesić, M. Lj. Zlatanović, A. M. Velimirović, <i>Projective invariants for equitortion geodesic mappings of semi-symmetric affine connection spaces</i> , 2019, Journal of Mathematical Analysis and Applications 472 (2), 1571-1580.	M21
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Име кандидата	Име ментора	Назив дисертације	Публиковани резултати	*М
Станимировић П. Стефан	Ђирић Д. Мирослав	Побољшани алгоритми за детерминизацију фази и тежинских аутомата. 30/08/2019	S. Stanimirović, M. Ćirić, J. Ignjatović, Determinization of fuzzy automata by factorizations of fuzzy states and right invariant fuzzy quasi-orders, INFORMATION SCIENCES 469 (2018) 79-100	M21a
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Живковић С. Иван	Станимировић С. Предраг	Рекурентне неуронске мреже за решавање проблема линеарне алгебре. 22/11/2018	P. S. Stanimirović, I. S. Živković, Y. Wei, Recurrent Neural Network for Computing the Drazin Inverse, IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS 26 (11) (2015) 2830-2843.	M21a
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Станковић Б. Иван	Ђирић Д. Мирослав	Фази релацијске једначине и неједначине и њихова примена у анализи података. 07/07/2017	I. Stanković, M. Ćirić, J. Ignjatović, Fuzzy relation inequalities and equations with two unknowns and their applications, <i>FUZZY SETS AND SYSTEMS</i> 322 (2017) 86–105.	M21a
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ДЕПАРТАМЕНТ ЗА БИОЛОГИЈУ И ЕКОЛОГИЈУ				
Име кандидата	Име ментора	Назив дисертације	Публиковани резултати	*М
Драгана М. Стојадиновић	Др Јелка Црнобрња-Исаиловић	Утицај варирања особина животне историје на вијабилност популације шумске корњаче <i>Testudo hermanni</i> Gmelin (Chelonia: Testudinidae) из источног дела ареала. 19/01/2018	Stojadinović, D.M., Ćubrić, T., Milošević, Đ. D., Jovanović, B.Lj., Ćorović, J.V., Paunović, M., Crnobrnja-Isailović, J. M. (2017) Contribution to the knowledge of spatial movements of adult Hermann's tortoises. Archives of Biological Sciences , 69: 671-677.	M23
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