1. Каримов Умед Хилолович
2. Доктор физико-математических наук, старший научный сотрудник
3. Главный научный сотрудник
4. Основные результаты
   1. Решена проблема Бествины-Эдвардса
   2. Построен пример локально-связного не стягиваемого компакта все гомологические, когомологические и гомотопические группы которого тривиальны.
   3. Построен новый топологический инвариант: Гавайские группы
   4. Построен двумерный подкомпакт плоскости, гомотопически не эквивалентый одномерному компакту.
   5. Доказано существование двух односвязных плоских компактов, пересечение которых одно-связно, а объединение не одно-связно.
   6. Для любого к >=1 построен стягиваемый компакт размерности , который не вкладывается в 2к- мерное Евклидово пространство.
   7. Доказано, что два метрических пространства гомеоморфны в том и только в том случае когда они обладают мелкими базами нервы которых симплициально изоморфны.
   8. Построен двумерный компакт тривиального шейпа все мелкие покрытия кратности 2 которого цикличны.
   9. Приведены условия при которых обобщенная аксиома гомотопий для когомологий Александера-Спеньера-Колмогорова и Александрова-Чеха неверна
   10. Построен пример 1-мерного ацикличного в когомологиях Александрова-Чеха компакта, все мелкие покрытия которого цикличны
5. Основные публикации

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| 47 | (Karimov U.H.) ON F−BUBBLES AND HEREDITARY F−FUNCTORIAL EQUIVALENCE OF TOPOLOGICAL SPACES, [arXiv:2106.04389v1](https://arxiv.org/abs/2106.04389v1)**[math.GT]** |
| 46 | (Karimov U.H., Kawamura K.) Non-contractible locally connected continua with trivial homotopy groups, Topollogy and its Applications, 288 (2021), 107454 |
| 45 | (Каримов У.Х.) Наследственная гомологическая эквивалентность топологических пространств, ДАН Республики Таджикистан, 62, (2019), no.7-8, 375-383 |
| 44 | (Каримов У.Х.) Об информативности функторов, Сборник «Современные проблемы и приложения алгебры, теории чисел и математического анализа», 2019, 137 - 139. |
| 43 | (Cencelj M., Karimov U., Repovs D.) On the Alexandroff-Borsuk problem, Topology and its Applications, 221 (2017), 114-120 |
| 42 | (D.Garity, Karimov U., Repovs D., Spaggiari F.) A New Class of Homology and Cohomology 3-Manifolds, Mediterr. J. Math. 13 (2016), no. 3, 1277-1283 |
| 41 | (Karimov U; Repovs Dusan) On Nerves of Fine Coverings of Acyclic Spaces, Mediterr. J. Math. 12 (2015), 205-217 |
| 40 | (Eda, Katsuya; Karimov, Umed H.; Repovš, Dušan; Zastrow, Andreas) On snake cones, alternating cones and related constructions. Glas. Mat. Ser. III 48(68) (2013), no. 1, 115–135. |
| 39 | (Eda, Katsuya; Karimov, Umed H.; Repovš, Dušan) On 2-dimensional nonaspherical cell-like Peano continua: a simplified approach. Mediterr. J. Math. 10 (2013), no. 1, 519–528. |
| 38 | (Каримов У.Х.) К решению обобщенной проблемы Александрова-Лефшеца-Бегля, Автореферат диссертации на соискание ученой степени доктора физико-математических наук, МГУ, Москва 2013 |
| 37 | (Karimov, Umed H.; Repovš, Dušan) On generalized 3-manifolds which are not homologically locally connected. Topology Appl. 160 (2013), no. 3, 445–449. |
| 36 | (Каримов У.Х.) Двумерная Теорема Хелли-Молнара, В Сборнике «Материалы международной конференции «Актуальные проблемы математики и её приложения», посвященные 60-летию доктора физ.-мат.наук, профессора Сафарова Д.С. (6-октября 2012)», Курган-Тюбе, 2012. |
| 35 | (Каримов У.Х.) Примеры ацикличных в гомологиях Чеха подпространств плоскости все мелкие покрытия которорых цикличны, В Сборнике «Современные проблемы теории дифференциальных уравнений и математического анализа», Душанбе, 2012, стр.45-46 |
| 34 | (Karimov, Umed H.; Repovš, Dušan) On the homology of the harmonic archipelago. Cent. Eur. J. Math. 10 (2012), no. 3, 863–872. |
| 33 | (Eda, Katsuya; Karimov, Umed H.; Repovš, Dušan) On the singular homology of one class of simply-connected cell-like spaces. Mediterr. J. Math. 8 (2011), no. 2, 153–160. |
| 32 | (Karimov U., Repovs D.) On noncontractible compacta with trivial homology and homotopy groups. Proc. Amer. Math. Soc. 138, No.4 (2010), 1525--1531 |
| 31 | (Karimov U., Eda K. and Repovs D.) On the second homotopy group of $SC(Z)$, Glasnik Matematicki, Vol 44 (64) 2009, 493--498 |
| 30 | (with Eda K. and Repovs D.) A nonaspherical cell-like 2-dimensional simply connected continuum and related constructions, Topol. Appl. 156 (2009), 515-521 |
| 29 | (with Repovs D.) Examples of cohomology manifolds which are not homologically locally connected, Topol. Appl. 155 (2008), 1169-1174 |
| 28 | (with Eda K. and Repovs D.) A construction of noncontractible simply connected cell-like two-dimensional Peano continua, Fundamenta Mathematicae, 195, 2007, 193-203 |
| 27 | (with Eda K. and Repovs D.) On the fundamental groups of R^3 modulo the Case-Chamberlin continuum, Glasnik Matematicki, Vol 42 (62) 2007, 89-94 |
| 26 | (with Repovs D.)., Hawaiian groups of topological spaces, Uspekhi matematicheskih nauk, 61, 5 (2006), 185-186 |
| 25 | On 2-Spherical cell-like 2-dimensional Peano Continuum, General and Geometric Topology and Geometric Group Theory, RIMS Kokyuroku, 1492, 2006, 52-55 |
| 24 | (with Repovs D.) On the Topological Helly Theorem, Topol. Appl. 153(2006), 1614-1621 |
| 23 | (with Repovs D., Rosicki W., Zastrow A.) On two dimensional planar compacta not homotopy equivalent to any one-dimensional compactum, Topol. Appl. 153(2005), 284-293 |
| 22 | (with Repovs, D. and Zeljko M.) On the Union and Intersections of Simply Connected Planar Sets, Monatsh fur Math. 145 (2005), 239-245. |
| 21 | (with Repovs, D.) On contractible polyhedra that are not simply contractible. (English), Proc. Am. Math. Soc. 132, No.7 (2004), 2159-2162 |
| 20 | (with Repovs D.) On nonacyclicity of the quotient space of R^3 by the solenoid, Topol. Appl. 133 (2003), 65-68 |
| 19 | (with Eda K. and Repovs D.) On (co)homological locally connected spaces, Topol. Appl.120 (2002), 397-401 |
| 18 | (with Repovs D.) On the union of simply connected planar sets, Topol.Appl.122 (2002), 281-286 |
| 17 | (with Repovs D.) On embeddability of contractible k-dimensional compacta into $\RR^{2k}$, Topol.Appl. 113 (2001), 81-85 |
| 16 | (with Repovs D.) On nerves of fine coverings, Publicationes Mathematicae,Debrecen, 54, (1999), No.3-4, p.295-302 |
| 15 | (with Repovs D.) On suspensions of noncontractible compacta of trivial shape, Proc.Amer. Math.Soc. 127, No.2, (1999), p.627-632 |
| 14 | (with Repovs D.) On H-bubbles in n-dimensional compacta, Colloquium Mathematicum, 75:1 (1998), p.39-51 |
| 13 | (with Repovs D.) A Noncontractible Cell-like Compactum whose suspension is contractible, Indagationes Mathematicae, 10:4, (1999), |
| 12 | (with Panov V.M.) Recollection of the topology of compacta by the nerves of fine covering, Доклады АН Таджикской ССР 35:9-10 (1992), p.408-411. |
| 11 | Betty numbers and a nerves of coverings, Doklady Akad Nauk Tajik SSR, 35:7-8 (1992), p.326-327. |
| 10 | On an approximation by polyhedrons some spaces, Doklady Akad Nauk Tajik SSR, 34:5 (1991), p.270-274. |
| 9 | The criterion of shape triviality of the compact space, Doklady Akad Nauk Tajik SSR 33:1 (1990), p.9-12. |
| 8 | On the similarity of spaces in combinatorial topology, Doklady Akad Nauk Tajik SSR 31:12 (1988), p.773-775. |
| 7 | On three lemmas of combinatorial group theory, Doklady Akad Nauk Tajik SSR, 29:4 (1986), p.191-192. |
| 6 | The example of the space of trivial shape all fine coverings of which are cyclic, Doklady Akad Nauk USSR (1986), p.531-534; English transl. in Soviet Math.Dokl.33(1986),p.113-117. |
| 5 | On the criterion of the compatibility of generalized homotopy axiom with the Alexander-Kolmogorov cohomology theory, Doklady Akad Nauk Tajik SSR, 25:12 (1983), p.707-711. |
| 4 | On generalized homotopy axiom for one-dimensional spaces of parameters, Doklady Akad Nauk Tajik SSR, 23:9 (1980), p.500-503. |
| 3 | On the generalized homotopy, Doklady Akad Nauk Tajik SSR, 22:9 (1979), p.521-524. |
| 2 | On the generalized homotopy, Izvestiya Akad Nauk Tajik SSR 71:1 (1979), p.83-84. |
| 1 | An example of 1-dimensional acyclic in Alexandrof-Cech cohomology compactum all small covering of which are cyclic, Uspekhi matem. Nauk, 32:4 (1977), p.245-246. |

6. Участие в конференциях

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| **Name and place** | **Year** |
| International Conference on Topology, Baku | 1987 |
| International Conference on Topology, Kiev | 1995 |
| International Conference on Topology, Moscow | 1996 |
| Researcher at University of Ljubljana | December 1995 |
| Invited Visitor to ICTP, Trieste | March - May, 1997 |
| Researcher at University of Ljubljana | April - June, 1998 |
| Summer School on Wind-charger and Fotovoltaic Systems, Beijing (China) | Junne, 1999 |
| International Conference on GeometricTopology, Yokohama (Japan) | August, 1999 |
| Researcher at University of Ljubljana | November - December, 1999 |
| Summer School on Group Theory Zanjan (I.R.Iran) | 2000 |
| Researcher at University of Ljubljana | April – June, 2001 |
| Workshop at Bratislava, Slovak Republic | August, 2001 |
| Researcher at University of Ljubljana | Mart – May, 2002 |
| Conference of Parties, India | October - November, 2002 |
| Researcher at University of Ljubljana | March - May, 2003 |
| Workshop, Macedonia | May - June, 2004 |
| Workshop, Uzbekistan | October, 2004 |
| Workshop, Shanghai (China) | February, 2005 |
| Researcher at University of Ljubljana,Slovenia, | March - May, 2005 |
| Workshop, Moldova | April, 2005 |
| Workshop, Georgia, | 26-28 October, 2005 |
| Workshop at Bratislava, Slovak Republic, | 10-12 May, 2006 |
| Hungary |  |
| Workshop , Philippines, | 19-23 June, 2006 |
| International Mathematical Olypiad, IMO 2006, Slovenia | 6-22 July, 2006 |
| International Congerss of Mathematicians Spain, | 21-31 August, 2006 |
| Researcher at University of Ljubljana, Slovenia | October - December, 2006 |
| Workshop, Switzerland | 19 -29 January 2007 |
| International Mathematical Olypiad, IMO 2007, Vietnam | 20 July – 15 August, 2006 |
| Workshop, Ethiopia | October, 2007 |
| International Mathematical Olypiad, IMO 2008, Spain | July, 2008 |
| Researcher at University of Ljubljana, Slovenia | October - December, 2008 |
| International Mathematical Olypiad, IMO 2009, Bremen, Germany | July 2009 |
| Researcher at University of Ljubljana, Slovenia | July – September, 2009 |
| International Mathematical Olympiad, IMO 2018, Romain | July 2018 |
| International Congress of Mathematicians, Seoul | July 2014 |
| International Mathematical Olympiad, IMO 2016, Hong Kong | July 2016 |
| Researcher at University of Ljubljana, Slovenia | February-March, 2016 |
| Arches Topology Conference, 2018, USA | May 2018 |

1. Количество учеников более 20

