

Anatoliy PETRAVCHUK

Curriculum Vitae

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Family Name PetraVchuk	First Name Anatoliy	Title Doctor of Physical and Mathematical Sciences	Job Title Professor, Head of chair
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Education

1999 **Habilitation in Mathematics** (Doctor of Science in Physics and Mathematics), Kiev Taras Shevchenko University

1983 **Ph.D. in Mathematics** (Candidat of Science in Physics and Mathematics), Taras Shevchenko State University of Kiev (Advisor: Professor S.N.Chernikov)

1977 - **M.S.**, Taras Shevchenko University of Kiev, Kiev, USSR

Employment

2004-Present – **Head of chair** of Algebra and Mathematical Logic (Algebra and Computer Mathematics from 2020), Taras Shevchenko National University of Kyiv, **Professor** of Chair of Geometry (2004), **Associate Professor** (1996) **Researcher** (1992)

1985-1992 - Land Troops Academy (Kiev), Chair of Mechanics and Mathematics

Head of Chair (1989), **Associate Professor** (1988), **Assistant Professor** (1985),

1977-1985 - **Engineer-Mathematician**, Kiev Institute of Physics of Heat.

Research

Ring Theory, Commutative Algebra, Lie algebras of vector fields

Current Research Activities

- **Russian-Ukrainian grant** of the State Fund for Fundamental Researches of the Ministry of Education, Youth and Sport of Ukraine (Taras Shevchenko National University, Kyiv, Ukraine, Moscow State University, Moscow, Russia) (No.Φ28/433-09), 2013-2014
- **Russian-Ukrainian grant** of the State Fund for Fundamental Researches of the Ministry of Education, Youth and Sport of Ukraine (Taras Shevchenko National University, Kyiv, Ukraine, Moscow State University, Moscow, Russia) (No.Φ28/433-09), 2009-2010
- Grant of DFG (Deutsche Forschungsgemeinschaft) at University Freiburg (1996)
- International Scientific Foundation (ISF), grant K3X100 (1995)

Recent Publications

1. Vitalij M.Bondarenko, Vyacheslav Futorny, Anatolii P.PetraVchuk, Vladimir V. Sergeichuk, Pairs of commuting nilpotent operators with one-dimensional intersection of kernels and matrices commuting with a Weyr matrix, Linear Algebra and its

- Applications, v.612, 1 March 2021, p.188-205.
2. V.M.Bondarenko, A.P.Petravchuk, Wildness of the problem of classifying nilpotent Lie algebras of vector fields in four variables, *Linear algebra and its applications*, v.568, (2019), P.165-172.
 3. A.P.Petravchuk, K.Ya.Sysak, On Lie algebras consisting of locally nilpotent derivations, *Journal of Lie Theory*, (2017), v.27, no.4, 1057-1068
 4. А.П.Петравчук, К.Я.Сисак, Алгебри Лі, асоційовані з модулями над кільцями многочленів, *Укр. матем. журнал*, 2017, т.69, № 9, с.1232-1241
 5. Іе. О. Makedonskyi and А.Р. Petravchuk, On nilpotent and solvable Lie algebras of derivations, *Journal of Algebra*, 2014, 401, 245-257.
 6. I.V.Arzhantsev, E.A.Makedonskii, A.P.Petravchuk, *Finite-dimensional subalgebras in polynomial Lie algebras of rank one*, *Укр. матем. журн.* (2011), т.63, № 5, С. 708-712.
 7. А.Р.Петравчук, On pairs of commuting derivations of the polynomial ring in one or two variables, *Linear Algebra and its Applications*, v.433 (2010), P.574-579.
 8. А.Р.Петравчук, On behavior of solvable ideals of Lie algebras under outer derivations, *Communications in Algebra*, v.38 (2010), P.2311-2316.
 9. I.V.Arzhantsev, A.P.Petravchuk, On the Saturation of Subfields of Invariants of Finite Groups, *Mat. Zametki*, 2009, 85, no.5, P.659-663.
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Honours

- 2020 **Diploma of Honor of the Ministry of Education and Science of Ukraine**
2010 **Diploma of Honor of the Higher Attestation Commission of the Ministry of Education and Science of Ukraine**
2009 **Medal to memory of M.M.Bogolyubov of Academy of Sciences of Ukraine (For high level scientific results in Mathematics)**