

Information about the official opponent

Regarding the dissertation of Melnikov Alexander Gennadievich

«Classification problems and constructive models» submitted for the degree of
Doctor of Physical and Mathematical Sciences, speciality 01.01.06 – “mathematical
logic, algebra and number theory”

The official opponent	
Last name, First name, Middle name	Miasnikov Alexei Georgievich
Academic degree	Doctor of Physical and Mathematical Sciences, speciality 01.01.06 – “mathematical logic, algebra and number theory”
Academic title	Professor
Place of work	
Full name of the organization in accordance with the Charter	Stevens Institute of Technology
Abbreviated name of the organization in accordance with the Charter	
Postcode, address	1 Castle Point Terrace, Hoboken, New Jersey, 07030, U.S.
Phone number	+1 201-216-5000
Website	www.stevens.edu
Organization email	
Name of the department, position	Department of Mathematical Sciences, Department Director
The list of main publications of the official opponent in speciality 01.01.06 – “mathematical logic, algebra and number theory” in peer-reviewed scientific journals for the last 5 years	
1. Miasnikov, Alexei; Vassileva, Svetla; Weiß, Armin The conjugacy problem in free solvable groups and wreath products of abelian groups is in TC₀. <i>Theory Comput. Syst.</i> 63 (2019), no. 4, 809–832.	
2. Jain, Sanjay; Miasnikov, Alexei; Stephan, Frank The complexity of verbal languages over groups. <i>J. Comput. System Sci.</i> 101 (2019), 68–85.	
3. Kharlampovich, Olga; Myasnikov, Alexei Undecidability of equations in free Lie algebras. <i>Trans. Amer. Math. Soc.</i> 371 (2019), no. 4, 2987–2999.	
4. Myasnikov, A. G.; Romanovskii, N. S. Characterization of finitely generated groups by types. <i>Internat. J. Algebra Comput.</i> 28 (2018), no. 8, 1613–	

1632.

5. [Kharlampovich, Olga](#); [Myasnikov, Alexei](#) Equations in algebras. *Internat. J. Algebra Comput.* 28 (2018), no. 8, 1517–1533.

6. [Kharlampovich, Olga](#); [Myasnikov, Alexei](#) Undecidability of the first order theories of free noncommutative Lie algebras. *J. Symb. Log.* 83 (2018), no. 3, 1204–1216.

7. [Kharlampovich, Olga](#); [Myasnikov, Alexei](#) What does a group algebra of a free group "know" about the group? *Ann. Pure Appl. Logic* 169 (2018), no. 6, 523–547.

8; [Kharlampovich, Olga](#); [Myasnikov, Alexei](#) Tarski-type problems for free associative algebras. *J. Algebra* 500 (2018), 589–643.

9. [Myasnikov, Alexei](#); [Schupp, Paul](#) Computational complexity and the conjugacy problem. *Computability* 6 (2017), no. 4, 307–318.

10. [Kharlampovich, Olga](#); [Myasnikov, Alexei](#); [Weil, Pascal](#) Stallings graphs for quasi-convex subgroups. *J. Algebra* 488 (2017), 442–483.

11. [Kharlampovich, Olga](#); [Myasnikov, Alexei](#); [Sapir, Mark](#) Algorithmically complex residually finite groups. *Bull. Math. Sci.* 7 (2017), no. 2, 309–352.

12. [Myasnikov, Alexei](#); [Savchuk, Dmytro](#) An example of an automatic graph of intermediate growth. *Ann. Pure Appl. Logic* 166 (2015), no. 10, 1037–1048.

Certified by:

Full name _____ Position _____

(Signature)

« _____ » _____ 2019,

The official opponent:

Miasnikov A.G.

Сведения об официальном оппоненте

по диссертации Мельникова Александра Геннадьевича

«Проблемы классификации и конструктивные модели», представленной на соискание ученой степени доктора физико-математических наук по специальности 01.01.06 - "математическая логика, алгебра и теория чисел".

Официальный оппонент	
Фамилия, Имя, Отчество	Мясников Алексей Георгиевич
Ученая степень	доктор физико-математических наук по специальности 01.01.06 "математическая логика, алгебра и теория чисел"
Ученое звание	профессор
Место работы	
Полное наименование организации в соответствии с Уставом	Stevens Institute of Technology (Стивенс Институт Технологий)
Сокращенное наименование организации в соответствии с Уставом	
Почтовый индекс, адрес	1 Castle Point Terrace, Hoboken, New Jersey, 07030, USA (1 Кастл Поинт Террас, Хобокен, Нью Джарси, 07030, США)
Телефон	+1 201-216-5000
Вебсайт	www.stevens.edu
Электронный адрес организации	
Наименование подразделения, должность	Заведующий кафедрой математических наук
Список основных публикаций официального оппонента по специальности 01.01.06 – математическая логика, алгебра и теория чисел" в рецензируемых научных изданиях за последние 5 лет	
1. Miasnikov, Alexei ; Vassileva, Svetla ; Weiß, Armin The conjugacy problem in free solvable groups and wreath products of abelian groups is in TC ₀ . <i>Theory Comput. Syst.</i> 63 (2019), no. 4, 809–832.	
2. Jain, Sanjay ; Miasnikov, Alexei ; Stephan, Frank The complexity of verbal languages over groups. <i>J. Comput. System Sci.</i> 101 (2019), 68–85.	
3. Kharlampovich, Olga ; Myasnikov, Alexei Undecidability of equations in free Lie algebras. <i>Trans. Amer. Math. Soc.</i> 371 (2019), no. 4, 2987–2999.	

4. Myasnikov, A. G. ; Romanovskii, N. S. Characterization of finitely generated groups by types. <i>Internat. J. Algebra Comput.</i> 28 (2018), no. 8, 1613–1632.
5. Kharlampovich, Olga ; Myasnikov, Alexei Equations in algebras. <i>Internat. J. Algebra Comput.</i> 28 (2018), no. 8, 1517–1533.
6. Kharlampovich, Olga ; Myasnikov, Alexei Undecidability of the first order theories of free noncommutative Lie algebras. <i>J. Symb. Log.</i> 83 (2018), no. 3, 1204–1216.
7. Kharlampovich, Olga ; Myasnikov, Alexei What does a group algebra of a free group "know" about the group? <i>Ann. Pure Appl. Logic</i> 169 (2018), no. 6, 523–547.
8; Kharlampovich, Olga ; Myasnikov, Alexei Tarski-type problems for free associative algebras. <i>J. Algebra</i> 500 (2018), 589–643.
9. Miasnikov, Alexei ; Schupp, Paul Computational complexity and the conjugacy problem. <i>Computability</i> 6 (2017), no. 4, 307–318.
10. Kharlampovich, Olga ; Miasnikov, Alexei ; Weil, Pascal Stallings graphs for quasi-convex subgroups. <i>J. Algebra</i> 488 (2017), 442–483.
11. Kharlampovich, Olga ; Myasnikov, Alexei ; Sapir, Mark Algorithmically complex residually finite groups. <i>Bull. Math. Sci.</i> 7 (2017), no. 2, 309–352.
12. Miasnikov, Alexei ; Savchuk, Dmytro An example of an automatic graph of intermediate growth. <i>Ann. Pure Appl. Logic</i> 166 (2015), no. 10, 1037–1048.

Верно

Full name (Ф.И.О.) _____

Academic position (должность) _____

« _____ » _____ 2019 г.

Официальный оппонент :

_____ Мясников А. Г.