## References

- 1. Aspects of Nonabelian Group Based Cryptography: A Survey and Open Problems / B. Fine [et al.] // arXiv.org, e-Print Archive Mathematics. 2011. DOI: 10.48550/ARXIV.1103.4093. URL: https://arxiv.org/abs/1103.4093v2 (visited on 04/06/2023).
- 2. Bezverkhnij N. V. On the solvability of the general word problem for a cyclic subgroup of a group with condition C(6) // Fundam. Prikl. Mat. 1999. Vol. 5, no. 1. P. 39–46. ISSN 1560-5159. URL: mech.math. msu.su/~fpm/eng/99/991/99102h.htm.
- 3. Bezverkhniy N. V., Nikitina M. V. Asymmetric Secret Key Transfer Scheme over an Open Channel in K-Deterministic Groups with the Conditions C (3)–T (6) // Mathematics and Mathematical Modeling. 2019. Jan. No. 6. P. 88–111. DOI: 10.24108/mathm.0618.0000151.
- 4. Bigdely H. Subgroup theorems in relatively hyperbolic groups and small-cancellation theory: PhD thesis / Bigdely Hadi. McGill University, 2013. URL: https://escholarship.mcgill.ca/concern/theses/4j03d3299.
- 5. Bishop A., Ferov M. Density of Metric Small Cancellation in Finitely Presented Groups // journal of Groups, complexity, cryptology. 2020. Sept. Vol. Volume 12, Issue 2. DOI: 10.46298/jgcc.2020.12.2.6200.
- 6. Blackburn S. R., Cid C., Mullan C. Group theory in cryptography // arXiv.org, e-Print Archive Mathematics. 2009. June. DOI: 10. 48550/ARXIV.0906.5545. arXiv: 0906.5545 [math.GR]. URL: http://arxiv.org/abs/0906.5545v2 (visited on 04/18/2023).
- Coulon R. Small cancellation theory and Burnside problem // Internat. J. Algebra Comput. 24 (2014), no. 3, 251-345. 2013. Feb. 27. Vol. 24, no. 03. P. 251-345. DOI: 10.1142/s0218196714500143. arXiv: 1302.6933 [math.GR].
- 8. Coulon R., Gruber D. Small cancellation theory over Burnside groups // Advances in Mathematics. 2019. Sept. Vol. 353. P. 722–775. DOI: 10.1016/j.aim.2019.05.029.
- 9. Flores R., Kahrobaei D. Cryptography with right-angled Artin groups // arXiv.org, e-Print Archive Mathematics. 2016. DOI: 10.48550 / ARXIV.1610.06495. URL: https://arxiv.org/abs/1610.06495v3 (visited on 04/06/2023).
- 10. Gruber D. Groups with graphical C(6) and C(7) small cancellation presentations // Transactions of the American Mathematical Society. 2014. July. Vol. 367, no. 3. P. 2051–2078. DOI: 10.1090/s0002-9947-2014-06198-9.

- 11. Hasapis S. D., Panagopoulos D., Raptis E. A Survey of Group-based Cryptography // Journal of Applied Mathematics & Bioinformatics. 2015. Vol. 5, no. 3. P. 73-96. URL: https://scholar.google.hk/citations?view\_op=view\_citation&hl=en&user=rKbU2GYAAAAJ&citation\_for\_view=rKbU2GYAAAAJ:d1gkVwhDplOC.
- 12. Hull M. Small cancellation in acylindrically hyperbolic groups // Groups, Geometry, and Dynamics. 2016. Vol. 10, no. 4. P. 1077–1119. DOI: 10.4171/ggd/377.
- 13. Lee Y., Wong D. C., Yap W.-S. Encryption Scheme using Non-Abelian Group based on Conjugacy Search Problem. 11/2020. DOI: 10. 32802/asmscj.2020.sm26(5.11). URL: https://www.semanticscholar.org/paper/Encryption-Scheme-using-Non-Abelian-Group-based-on-Lee-Wong/cc9eae29801568b71644293005d54d9191cfaedd (visited on 04/18/2023).
- 14. Myasnikov A., Shpilrain V., Ushakov A. Group-Based Cryptography. —
  .1st ed. Birkhauser Verlag, 2008. P. 1–183. ISBN 9783764388270. —
  DOI: https://doi.org/10.1007/978-3-7643-8827-0. URL: https://link.springer.com/book/10.1007/978-3-7643-8827-0.
- 15. Shpilrain V. Problems in group theory motivated by cryptography // arXiv.org, e-Print Archive Mathematics. 2018. DOI: 10.48550/ ARXIV.1802.07300. URL: https://arxiv.org/abs/1802.07300v2 (visited on 03/28/2023).
- 16. Shpilrain V., Zapata G. Using the subgroup membership search problem in public key cryptography. 2006. DOI: 10.1090/conm/418/07955. URL: https://www.researchgate.net/publication/228626705\_Using\_the\_subgroup\_membership\_search\_problem\_in\_public\_key\_cryptography (visited on 04/18/2023).
- 17. *Безверхний Н. В.* Кольцевые диаграммы с периодическими метками и проблема степенной сопряжённости в группах с условиями C(3)-T(6) // Научное издание МГТУ им. Н.Э.Баумана. 2014. Vol. No11. P. 238–256.
- 18. *Безверхний Н. В.* Нормальные формы для элементов бесконечного порядка в группах с условиями C(3)-T(6) // Известия ТулГУ. Естественные науки. 2010. No. 1. P. 6–25.
- 20. *Магнус Д., Каррас А., Солитер Д.* Комбинаторная теория групп. М. : Наука, 1974. Р. 1–456. Пер. с англ.
- 21. Ольшанский А. Ю. Геометрия определяющих соотношений в группах. М.: Наука, 1989. Р. 1–448. (Современная алгебра).