

Списък на публикациите

на

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по дисертационния труд на тема

**„Ефективни алгоритми с приложение в криптографията с публичен ключ
и теория на кодирането“**

Резултатите, представени в дисертацията, са публикувани в следните статии:

1. Borissov, Y. & Markov, M. An Approach for Computing the Number of Points on Elliptic Curve $y^2 = x^3 + a \pmod{p}$ via Explicit Formula for That Number Modulo p . In Proceedings of the *2019 Ninth International Workshop on Signal Design and its Applications in Communications (IWSDA)*, Dongguan, China, 20–24 October 2019, pp. 1–5, Date Added to IEEE Xplore: 23 January 2020, ISSN: 2150-3680 (print on demand), 2150-3699 (electronic).
<https://doi.org/10.1109/IWSDA46143.2019.8966127>
2. Markov, M. & Borissov, Y. Point-Counting on Elliptic Curves Belonging to One Prominent Family: Revisited. In Proceedings of the *2020 Algebraic and Combinatorial Coding Theory (ACCT)*, Bulgaria, 11–17 October 2020, pp. 106–109, Date Added to IEEE Xplore: 25 March 2021, ISBN: 978-1-6654-0288-0 (print on demand), 978-1-6654-0287-3 (electronic).
<https://doi.org/10.1109/ACCT51235.2020.9383390>
3. Borissov, Y. & Markov, M. An Efficient Approach to Point-Counting on Elliptic Curves from a Prominent Family over the Prime Field \mathbb{F}_p , *Mathematics* 2021, 9(12), 1431, ISSN: 2227-7390, IF: 2.3 Q1 (2023), SJR: 0.475 Q2 (2023).
<https://doi.org/10.3390/math9121431>
4. Markov, M. & Borissov, Y. Weight Distribution of the Binary Reed-Muller Code $\mathcal{R}(4, 9)(4, 9)$. In Proceedings of *2024 The Thirteenth International Workshop on Coding and Cryptography (WCC)*, Perugia, Italy, 17–21 June 2024, pp. 288–298.
https://wcc2024.sites.dmi.unipg.it/WCC_proceedings.pdf