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Образование и академични позиции

- | | |
|--|-----------------------|
| • Институт по математика и информатика
<i>Доцент</i> | БАН
1998 – |
| • Институт по математика и информатика
<i>Главен асистент</i> | БАН
1993 – 1998 |
| • Образователна и научна степен „доктор“
<i>Покрития и спектри на кодове над крайни полета</i> | ФМИ
1993 |
| • ФМИ
<i>докторант</i> | СУ
1990 – 1993 |
| • ЛПИИ
<i>програмист</i> | БАН
1989 – 1990 |
| • ФМИ
<i>студент</i> | СУ
1984 – 1989 |
| • Математическа гимназия "Гео Милев"
<i>ученик</i> | Плевен
1979 – 1982 |

Специализации

University of East Anglia	10.1991 – 07.1992
University of Salford	09.1996 – 08.1997
Linköping University, Sweden	10.1995 – 11.1995

Преподавателска дейност

- | | |
|---|---|
| • Линейна алгебра
<i>упражнения</i> | ФМИ
1990 – 1998 |
| • Математически основи на информатиката
<i>лекции</i> | Велико Търновски Университет
1998 – 1999 |
| • Математически основи на информатиката
<i>лекции</i> | Нов Български Университет
2008 – 2011 |
| • Дискретна математика
<i>лекции</i> | Нов Български Университет
2011 – 2013 |

Публикации

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2. E. Kolev, Codes over $GF(3)$ of Length 5, 27 Codewords and Covering Radius 1, *Journal of Combinatorial Designs* vol.1 No. 4, pp. 265-275, 1993.
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4. E. Kolev, N. Manev, On the Binary Distribution of Extended Reed-Solomon Codes, *Proc. Sixth Joint Swedish-Russian Intern. Workshop on Inform. Theory*, Möle, Sweden, pp. 399-403, August 1993.
5. E. Kolev, I. Landgev, On Some Mixed Covering Codes of Small Length, *Lecture Notes in Computer Science*, No. 781, pp. 38-50, Springer-Verlag, 1994.
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7. E. Kolev, N. Manev, Двоичный Весовой Спектр Расширенного $[2^m, 5]$ Кода Рида-Соломона и Дуального Кода, *Проблемы передачи информации*, Том 30, Вып. 3, pp. 38-46, 1994.
8. E. Kolev, I. Landgev On a Two Dimensional Search Problem, *Serdica*, 21(3), pp. 219-230, 1995.
9. E. Kolev, Mixed Covering Codes with Two Binary and Four Ternary Coordinates, *Lecture Notes in Computer Science*, vol. 948, pp. 312-322, Springer-Verlag, 1995.
10. E. Kolev, Binary Mapped Reed-Solomon Codes and Their Weight Distribution, *Department of Electrical Engineering, Linköping University*, Report LiTH-ISY-R-1811, 1995.
11. E. Kolev, Binary Mapped Reed-Solomon Codes and Their Weight Distribution, *Proc. Fifth International Workshop ACCT-96*, Sozopol, Bulgaria, pp. 161-170, 1996.
12. E. Kolev, Weight Distribution of Justesen Codes, *Proc. 1997 IEEE International Symposium on Information Theory*, Germany, June 1997, pp. 349.
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14. E. Kolev, An Improved Upper Bound on $A_2(10, 3)$, *Fifth International Workshop on Algebraic and Combinatorial Coding theory*, Pskov, Russia, September 6-12, 1998, 155-157.
15. T. Baicheva and E. Kolev, Binary codes of length eight, minimum distance three and twenty codewords, *Proc. of the International Workshop on Optimal Codes*, June 9-15, Sozopol, Bulgaria, 1998, 5-8.
16. R. Hill, E. Kolev, A Survey of Recent Results on Optimal Linear Codes, *Combinatorial Designs and Their Applications*, CHAPMAN & HALL/CRC, pp. 127-152, 1999.
17. E. Kolev, R. Hill, An Improved Lower Bound on $K_2(9, 1)$, *Discrete Mathematics* 197/198, 1999, pp. 483-489.
18. P. G. Östergård, T. Baicheva, E. Kolev, Optimal Binary One-Error-Correcting Codes of Length 10 have 72 Codewords, *IEEE Trans. Inf. Theory*, 45(4), 1999, 1229-1231.
19. E. Kolev, Equivalent Codes and Backtrack Search, *Swedish-Bulgarian Government IT Security Conference Information Security in the 21st Century: Global Convergence*, September 18-24, Bansko, Bulgaria, 1999, 23-26.

20. E. Kolev, Nonadaptive Search with Sets of Given Sum, *Eight International Workshop Algebraic and Combinatorial Coding theory*, September 8-14, Tsarskoe Selo, Russia, 2002, 159-161.
21. E. Kolev, On nonadaptive search problem, *Serdica Math. J.* 29, 2003, 361-376.
22. E. Kolev, Nonadaptive Search Problem with Sets of Equal Sum, *Central European Journal of Mathematics*, 1(3), 2003, 272-283.
23. N. Dichev, E. Kolev, Search with a lie, *International congress MASSEE 2003* September 15-21, Bulgaria, 2003.
24. N. Dichev, E. Kolev, Nonadaptive search with a lie, *Ninth International Workshop, Algebraic and Combinatorial Coding theory*, June 19-25, Kranevo, Bulgaria, 2004, 120-124.
25. E. Kolev, A search problem and cyclic codes of odd length, *Fourth International Workshop, Optimal Codes and related topics*, June 17-23, Pamporovo, Bulgaria, 2005, 201-204.
26. E. Kolev, Nonadaptive search problem in weighted sets, *Eight International Workshop, Algebraic and Combinatorial Coding Theory*, September 3-9, Zvenigorod, Russia, 2006, 147-150.
27. E. Kolev, Nonadaptive Search Problem in Sets with Four Weights, *Fifth International Workshop Optimal Codes and related Topics*, June 16-22, White Lagoon, Bulgaria, 2007, 132-135.
28. E. Kolev, Nonadaptive search for two elements with sets of equal sum, *Fifth International Workshop, Optimal Codes and related topics*, June 16-22, Varna, Bulgaria, 2009.
29. E. Kolev, Proper integers for search with a lie, *Thirteenth International Workshop Algebraic and Combinatorial Coding Theory*, June 15-21, Pomorie, Bulgaria, 2012, 188-191.
30. E. Kolev, How to have a wrong bet in football pools, *CR Acad. Bulg. Sci.*, 66(3) 2013, 315-320.
31. E. Kolev, T. Baicheva, About the inverse football pool problem for 9 games, *Seventh International Workshop, Optimal Codes and related topics*, September 6-12, Albena, Bulgaria, 2013.
32. E. Kolev, T. Baicheva, Minimal coverings of $\{0, 1, 2\}^n$ with spheres of radius n , accepted for publication in *Utilitas Mathematica*.

Научни интереси

1. Оптимални кодове със зададено минимално разстояние.
2. Оптимални покриващи кодове.
3. Комбинаторни конфигурации.
4. Кодове на Рид-Соломон.
5. Задачи за търсене.