

LISTE OF PUBLICATIONS

Michel Deza

Before 1973 (in Moscou)

1. Géométrie de Hamming des cubes unités (en russe) *Doklady Akademii Naouk SSSR* 1960, 134 (5), 1037–1040. MR 22 n° 13359.
2. Réalisabilité des matrices de distances dans des cubes unités (en russe) *Problemy kibernetiki* 1962, 7, 31–42.
3. Correction d'un bruit arbitraire et du bruit le pire (en russe) *Problemy peredatchi informatsii* 1964, 4, 26–31. MR 33 n° 5398.
4. Comparaison des bruits additifs arbitraires selon l'efficacité de leur détection et correction (en russe) *Problemy peredatchi informatsii* 1965, 3, 29–38. Traduction anglaise dans *Problems of Information Transmission I(3)*, The Faraday Press Inc. MR 33 n° 7191.
5. Codage dans les conditions d'un bruit additif arbitraire (en russe), Moscou, 1965. Thèse de Candidat de sciences physico-mathématiques, Académie des Sciences de l'URSS (diplôme MFM n° 004692)
6. Problème de la comparaison des bruits additifs (en russe). Recueil: *Systèmes optimaux; méthodes statistiques*, Exposés de la 2^o conférence d'Union Soviétique sur la gestion automatique, 1967, Odessa, Editions Naouka, 373–376.
7. Codes maximums équidistants de grande longueur (en russe) *Exposés de la 2^o conférence d'Union Soviétique sur la théorie du codage et ses applications*, 1966, Moscou-Bakou (en russe), 75–78.
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11. Une propriété extrémal des plans projectifs finis dans une classe de codes équidistants. *Discrete Mathematics* 6, 1973, 343–352. MR 48 n° 10637.
13. Matrices des formes quadratiques non-négatives pour des arguments binaires, *C.R. Acad. Sci. Paris, Série A-B*, 1973, A873–A875. MR 49 No 339.

16. Quelques travaux sur la combinatoire et la théorie du codage algébrique. Thèse de doctorat d'Etat (Université de Paris-VI, 1973). CNRS, A.O. n° 9241.

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12. Bref compte rendu des résultats liés au problème de la comparaison des bruits additifs avec un nombre donné de combinaisons de bruits, *Lecture Notes in Mathematics* 398, Théories de l'Information, Springer-Verlag, Berlin - New York, 1974, 118–125. MR 51 n° 5146.

15. Solution d'un problème de Erdos-Lovasz. *Journal Combinatorial Theory B* 16, 1974. MR 49 n° 2404.

17. Problèmes de l'existence de $(H^1; H^2, b)$ -hypergraphes. *Cahiers du C.E.R.O.*, Bruxelles, vol. 17, n° 2-3-4, 1975, 185–190. MR 54 n° 10082.

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14. Racine minimum d'un groupe abélien élémentaire. *Canadian Journal Math.* 27, 1975, 819–826. MR 52 n° 5442.

18. Extension de quelques théorèmes sur les densités de séries d'éléments de N à des séries d'ensembles finis d'éléments de N (avec P. Erdős), *Discrete Mathematics* 12, 1975, 295–308. MR 55 n° 5569.

21. The best additive arbitrary noises with a given number of elements, Res. Report, *CORR 75/20*, University of Waterloo, 1975.

23. Codage dans les conditions d'un bruit additif arbitraire. *Publications CRM-519*, Univ. Montréal, 1975, 1–70.

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22. Propriétés des codes de Goppa (avec P. Camion), *Revue du CETHEDDEC*, 47, 1976, 75–82. MR 54 n° 12351.

28. Room squares and equidistant arrays (avec R. Mullin et S. Vanstone), *Ars Combinatoria* 2, 1976, 235–244, MR 55 n° 141.

32. Perfect generalized packing as a generalisation of simple t -design and matroid-design, *Actes du Colloque Int. du CNRS sur la Combinatoire*, Paris-Orsay, 1976, 97-100. *Notices of AMS*, 24-1, 1977. MR 81 g n° 05043.

35. Codes parfaits (avec G. Cohen), *Revue de CEDETEC*, 49 (1976), 35–44. MR 55 n° 12287.

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31. Maximum number of permutations with given minimal or maximal distance (avec P. Frankl), *Journal Combinatorial Theory A* 22 (1977), 352–360. MR 55 n° 12534.

34. On circulant codes with prescribed distances (avec P. Eades), *Bull. Australian Math. Society*, 16-3 (1977), 361–369. MR 56 n° 5328.

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41. On permutation group codes (avec G. Cohen), *Conférence I.E.E.E. Itaca, 1977. Notices of AMS*, 24-5, 1977, p. A-420.

43. On perfect matroid-designs, *Proc. of Symposium on Construction and Analysis of Designs*, Kyoto University (Japan), 1977, 98-108. Version française dans *Colloque Math. Discretes: Codes et hypergraphes*, Bruxelles, 1978. Cahiers C.E.R.O. Vol. 20, 3-4, 1978, 351–358. MR 80 k n° 05033.

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25. On intersection properties of the system of finite sets (avec P. Erdős et P. Frankl). V *Hungarian conference on Combinatorics*, 1976. *Proc. London Math. Soc.* (3) 36, 1978, 369–384. MR 57 N0. 16096.

26. Orthogonal systems (avec R. Mulln et S. Vanstone), *Aequationes Math.* 17, 1978, 322–330. MR 58 n° 21711.

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40. Bounds for permutation arrays (avec S. Vanstone), *Journal Stat. Plan. and Inference* 2, 1978, 197–209. MR 58 n° 16346.

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38. Coding with permutations (avec I. Blake, G. Cohen) *Inf. and Control*, 43, 1979, 1-14. MR 80 k n° 05020.

49. On maximal permutation anticodes, Proc. of 10 S.E. Conference on Combinatorics, Boca Raton 1979, 381–392. MR 81 g n° 05006.

52. On permutation geometries (avec P. Cameron). *Journal of London Math. Society* (2) 20, 1979, 373–386. MR. 81 i n° 05049.

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