Articles and Conferences

Koji Momihara

1 Publications

1.1 Published papers


[11] N. Esmailzadeh, H. Talebi, K. Momihara, M. Jimbo, A new series of main effect plus one plan for \(2^m\) factorial experiments with \(m = 4\lambda \pm 1\) and \(2m\) runs, Journal of Statistical Planning and Inference, 141 (2011), pp. 1567–1574.


[17] T. Feng, K. Momihara, Evaluation of the weight distribution of a class of cyclic codes based on index

[18] K. Momihara, Inequivalence of skew Hadamard difference sets and triple intersection numbers modulo

[19] K. Momihara, Certain strongly regular Cayley graphs on $F_{2^{2(2s+1)}}$ from cyclotomy, Finite Fields and

[20] K. Momihara, Q. Xiang, Lifting constructions of strongly regular Cayley graphs, Finite Fields and


[22] K. Momihara, M. Yamada, Divisible difference families from Galois rings $GR(4,n)$ and Hadamard


[24] T. Feng, K. Momihara, Q. Xiang, Cameron-Liebler line classes with parameter $x = \frac{q^2-1}{2}$, Journal of

difference sets from cyclotomic classes, Combinatorica, 35 (2015), pp. 413–434.

[26] K. Momihara, Y. Okumura, New strongly regular decompositions of the complete graphs with prime

1.2 Submitted

[1] T. Feng, K. Momihara, Q. Xiang, Three-valued Gauss periods, circulant weighing matrices and
association schemes, submitted.

mitted.


surface, submitted

1.3 Proceedings

and Computation 2013, pp. 9–22.

- K. Momihara, Lifting construction of strongly regular graphs and association schemes in $F_q$, (in

- K. Momihara, On strongly regular graphs $Cay(F_q,D)$ and rationality of relative Gauss sums, (in

- K. Momihara, Strongly regular Cayley graphs and rationality of relative Gauss sums, Combinatorics

- K. Momihara, M. Müller, J. Satoh, M. Jimbo, Bounds and constructions for optimal constant weight
336-340. (refereed)

- K. Momihara, Error-correcting maximal 2-consecutive positive detectable matrix, (in Japanese)
2 International Conferences and Workshops

- K. Momihara, TBA, Korea-Japan Workshop on Algebra and Combinatorics, Pusan National University, Korea, Jan., 2016.
- K. Momihara, Skew Hadamard difference sets: Constructions and Inequivalence, International Workshop on Algebraic Combinatorics at Zhejiang University, Zhejiang University, China, Sep., 2015.
- K. Momihara, Distance sets on circles, Systems of Lines: Applications of Algebraic Combinatorics, Worcester Polytechnic Institute, USA, Aug., 2015.
- K. Momihara, Lifting construction of strongly regular Cayley graphs in \( F_q \), The 2nd Japan-Taiwan Conference on Combinatorics and its Applications, Nagoya University, Japan, Nov., 2012.
- K. Momihara, A new construction of cyclic relative difference families and related optical orthogonal codes, The 9th International Conference on Finite Fields and Their Applications (Fq9), University College Dublin, Dublin, Ireland, Jul., 2009.