Ballet, Stéphane; Bisson, Gaetan; Bouw, Irene
Arithmetic, geometry, cryptography and coding theory, AGC2T, 17th international conference, Centre International de Rencontres Mathématiques, Marseilles, France, June 10–14, 2019. (English) [Zbl 07417716]

Publisher’s description: This volume contains the proceedings of the 17th International Conference on Arithmetic, Geometry, Cryptography and Coding Theory (AGC2T-17), held from June 10–14, 2019, at the Centre International de Rencontres Mathématiques in Marseille, France. The conference was dedicated to the memory of Gilles Lachaud, one of the founding fathers of the AGC2T series.

Since the first meeting in 1987 the biennial AGC2T meetings have brought together the leading experts on arithmetic and algebraic geometry, and the connections to coding theory, cryptography, and algorithmic complexity. This volume highlights important new developments in the field.

Readership
Graduate students and research mathematicians interested in explicit methods in arithmetic and algebraic geometry with applications to coding theory, cryptography and algorithmic complexity.

The articles of this volume will be reviewed individually. For the preceding conference see [Zbl 1410.11003].

MSC:
11–06 Proceedings, conferences, collections, etc. pertaining to number theory
11G10 Abelian varieties of dimension > 1
11G20 Curves over finite and local fields
11G25 Varieties over finite and local fields
11G30 Curves of arbitrary genus or genus ≠ 1 over global fields
11T71 Algebraic coding theory; cryptography (number-theoretic aspects)
14H45 Special algebraic curves and curves of low genus
14K15 Arithmetic ground fields for abelian varieties
20C33 Representations of finite groups of Lie type
94B27 Geometric methods (including applications of algebraic geometry) applied to coding theory
00B25 Proceedings of conferences of miscellaneous specific interest

Full Text: DOI