

## LIST OF PUBLICATIONS OF

– PIETER MOREE –

### To appear

- (1) O. Ramaré (with contributions by P. Moree and A. Sedunova), Excursions in Multiplicative Number Theory, Birkhäuser Advanced Texts, to appear.
- (2) A. Borzì, A. Herrera-Poyatos and P. Moree, Cyclotomic numerical semigroup polynomials having at most two irreducible factors, *Semigroup Forum*, to appear.

### Published papers

- (111) A. Herrera-Poyatos and P. Moree, Coefficients and higher order derivatives of cyclotomic polynomials: Old and new, *Expos. Math.* **39** (2021), 309–343.
- (110) G. Kenison, O. Klurman, E. Lefaucheux, F. Luca, P. Moree, J. Ouaknine, M. Whiteland and J. Worrell, On positivity and minimality for second-order holonomic sequences, *46th International Symposium on Mathematical Foundations of Computer Science (MFCS 2021)*, 67:1–67:15.
- (109) A. Kosyak, P. Moree, E. Sofos and B. Zhang, Cyclotomic polynomials with prescribed height and prime number theory, *Mathematika* **67** (2021), 214–234.
- (108) A. de Clercq, F. Luca, L. Martirosyan, M. Matthis, P. Moree, M.A. Stoumen and M. Weiß, Binary recurrences for which powers of two are discriminating moduli, *J. Integer Sequences* **23** (2020), Article 20.11.3, pp. 10.
- (107) P. Moree and L. Tóth, Unitary cyclotomic polynomials, *Integers* **20** (2020), Paper No.A65, 21 pp.
- (106) G. Jones, P. I. Kester, L. Martirosyan, P. Moree, L. Tóth, B. B. White and B. Zhang, Coefficients of (inverse) unitary cyclotomic polynomials, *Kodai Math. J.* **43** (2020), 325–338.
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- (101) B. Faye, F. Luca and P. Moree, On the discriminator of Lucas sequences, *Ann. Math. Québec* **43** (2019), 51–71.
- (100) F. Luca, P. Moree, R. Osburn, S. Saad Eddin and A. Sedunova, Constrained ternary integers, *Int. J. Number Theory* **15**, No. 2 (2019), 407–431.
- (99) A. Ciolan and P. Moree, Browkin’s discriminator conjecture, *Colloq. Math.* **156** (2019), 25–56.
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- (96) O. Bordellès, F. Luca, P. Moree and I.E. Shparlinski, Denominators of Bernoulli polynomials, *Mathematika* **64** (2018), 519–541.
- (95) P. Moree and S. Saad Eddin, Products of two proportional primes, *Int. J. Number Theory* **13** (2017), 2583–2596.
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- (68) D. Brink, P. Moree and R. Osburn, Principal forms  $X^2 + nY^2$  representing many integers, *Abh. Math. Sem. Univ. Hambg.* **81** (2011), 129–139.
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### Appendices

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- (1) P. Moree, Appendix in: V. Pless, P. Solé and Z. Qian, Cyclic self dual  $\mathbf{Z}_4$ -codes, *Finite Fields Appl.* **3** (1997), 48–69.

### Papers written under my direction

- (3) Dominik Duda, The maximal coefficient of ternary cyclotomic polynomials with one free prime, *Int. J. Number Theory* **10** (2014), 1067–1080.
- (2) Jessica Fintzen, Cyclotomic polynomial coefficients  $a(n, k)$  with  $n$  and  $k$  in prescribed residue classes, *J. Number Theory* **131** (2011), 1852–1863.
- (1) Carlos Esparza and Lukas Gehring, Estimating the density of a set of primes with applications to group theory, preprint.

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- (2) S. Kolyada, M. Möller, P. Moree and T. Ward (Eds.), Dynamics and Numbers, *Contemporary Mathematics* **669** (2016), pp. 315.
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- (4) Dominik Duda, The maximal coefficient of ternary cyclotomic polynomials with one free prime, *Int. J. Number Theory* **10** (2014), 1067–1080.
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- (2) J. Bourgain, S.V. Konyagin and I.E. Shparlinski, Product sets of rationals, multiplicative translates of subgroups in residue rings and fixed points of the discrete logarithm, *Int. Math. Res. Not. IMRN* 2008, Art. ID rnn 090, 29 pp.
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- (1) P. Moree and H. Hommersom, Value distribution of Ramanujan sums and cyclotomic polynomial coefficients, arXiv:math.NT/0307352. [Based on M.Sc. thesis of H. Hommersom, written at the University of Amsterdam]

## Bookreviews

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