

MARS- Seminarvortrag

Montag, 19. Juni 2017
13.15 Uhr
Seminarraum II

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**Parallelism between the growth of
the known Mersenne primes and the
development of informatics**

Abstract:

In the talk we present the history of Mersenne primes from the ancient Greeks to the present day. We show that only strong and long standing interactions of mathematics, computer science and computer technology made it possible to find Mersenne primes with several millions of digits. The long history divided naturally into shorter or longer epochs; before the Lucas test; the Lucas test with hand calculation; the Lucas test with early electronic computers; the epoch of supercomputers; distributed computation, the industrialization for the search of Mersenne primes. At the end I will speculate about the future of this game.