Foundations of Computing

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Updatings

July 29, 1997

1 Chapter 1

page 43, line +24: New largest discovered prime is, due to Joel Armengand (November 13, 1996) $2^{1398269} - 1$ and it has 420921 digits.

page 76, factorization of integers: An easy to understand description of basics of two main methods to factorize integers — Eliptic Curve Method and Quandratic Sieve Method — is due to von Johannes Buchmann: Faktorisierung grosser Zahlen, Spektrum der Wisenschaft, September 1996, 80-88.

2 Chapter 4

page 226, minimal Turing machine New smallest universal Turing machine with two tape symbols has 22 states — personal information due to Yu. Rogozin.