





















- [45] S. A. Jaju, "A Modified RSA Algorithm to Enhance Security for Digital Signature," *Int. Conf. Work. Comput. Commun.*, pp. 1–5, 2015, doi: 10.1109/IEMCON.2015.7344493.
- [46] C. J. L. Padmaja, V. S. Bhagavan, and B. Srinivas, "RSA Encryption using Three Mersenne Primes," *Int. J. Chem. Sci.*, vol. 14, no. 4, pp. 2273–2278, 2016.
- [47] M. M. A. Zaid and S. Hassan, "Lightweight RSA Algorithm Using Three Prime Numbers," *Int. J. Eng. Technol.*, vol. 7, pp. 293–295, 2018.
- [48] P. Chaudhury *et al.*, "ACAFP: Asymmetric Key based Cryptographic Algorithm using Four Prime Numbers to Secure Message Communication. A Review on RSA Algorithm," in *2017 8th Annual Industrial Automation and Electromechanical Engineering Conference*, 2017, pp. 332–337, doi: 10.1109/IEMECON.2017.8079618.
- [49] M. Krishnamoorthy and V. Perumal, "Secure and efficient hand-over authentication in WLAN using elliptic curve RSA," *Comput. Electr. Eng.*, vol. 64, pp. 552–566, 2017, doi: 10.1016/j.compeleceng.2017.06.002.
- [50] P. K. Panda and S. Chattopadhyay, "A hybrid security algorithm for RSA cryptosystem," *2017 4th Int. Conf. Adv. Comput. Commun. Syst. ICACCS 2017*, 2017, doi: 10.1109/ICACCS.2017.8014644.
- [51] A. Nivetha, P. M. S., and S. K. J., "Modified RSA Encryption Algorithm using Four Keys," *Int. J. Eng. Res. Technol.*, vol. 3, no. 07, pp. 3–7, 2015.
- [52] H. Ukwuoma and M. Hammawa, "Optimised Key Generation for RSA Encryption Optimised Key Generation for RSA Encryption," *Innov. Syst. Des. Eng.*, vol. 6, no. November 2015, pp. 1–12, 2017.
- [53] A. H. Lone and A. Khalique, "Generalized RSA using 2 k Prime Numbers with Secure Key Generation," *Int. J. Secur. Commun. Networks*, vol. 9, no. September, pp. 4443–4450, 2016, doi: 10.1002/sec.
- [54] T. L. Grobler and W. T. Penzhorn, "Fast Decryption Methods for the RSA Cryptosystem," in *7th AFRICON Conference in Africa*, 2004, no. 9.
- [55] R. Gu, "Multiscale Shannon entropy and its application in the stock market," *Phys. A Stat. Mech. its Appl.*, vol. 484, pp. 215–224, 2017, doi: 10.1016/j.physa.2017.04.164.
- [56] L. Truff et, "Shannon entropy reinterpreted," *Reports Math. Phys.*, vol. 81, no. 3, pp. 303–319, 2018, doi: 10.1016/S0034-4877(18)30050-8.
- [57] K. Ahmad, M. Adil, S. Khan, A. Ali, and Y. Chu, "New estimates for generalized Shannon and Zipf-Mandelbrot entropies via convexity results," *Results Phys.*, vol. 18, no. July, p. 103305, 2020, doi: 10.1016/j.rinp.2020.103305.
- [58] P. M. Cincotta, C. M. Giordano, R. Alves Silva, and C. Beaug e, "The Shannon entropy: An efficient indicator of dynamical stability," *Phys. D Nonlinear Phenom.*, vol. 417, pp. 1–10, 2021, doi: 10.1016/j.physd.2020.132816.
- [59] A. Dujella, "A variant of wiener's attack on RSA," *Computing*, vol. 85, no. 1–2, pp. 77–83, 2018, doi: 10.1007/s00607-009-0037-8.
- [60] M. Bunder, A. Nitaj, W. Susilo, and J. Tonien, "A generalized attack on RSA type cryptosystems," *Theor. Comput. Sci.*, vol. 704, pp. 74–81, 2017, doi: 10.1016/j.tcs.2017.09.009.
- [61] L. Peng, L. Hu, Y. Lu, J. Xu, and Z. Huang, "Cryptanalysis of Dual RSA," *Des. Codes Cryptogr.*, vol. 83, no. 1, pp. 1–21, 2017, doi: 10.1007/s10623-016-0196-5.
- [62] D. Vogel, Y. Onayemi, and V. Murad, "Integer Factorization Algorithms," *Teach. Course - Math Proj.*, pp. 1–20, 2016.
- [63] G. Pandey and S. K. Pal, "Polynomial selection in number field sieve for integer factorization," *Perspect. Sci.*, vol. 8, pp. 101–103, 2016, doi: 10.1016/j.pisc.2016.04.007.
- [64] L. T. Yang, Y. Huang, J. Feng, Q. Pan, and C. Zhu, "An improved parallel block Lanczos algorithm over GF(2) for integer factorization," *Inf. Sci. (Nijl.)*, vol. 379, pp. 257–273, 2017, doi: 10.1016/j.ins.2016.09.052.
- [65] E. J. Vuicik, D.  e ok, and S. Ramanauskait e, "Efficiency of RSA Key Factorization by Open-Source Libraries and Distributed System Architecture," *Balt. J. Mod. Comput.*, vol. 5, no. 3, pp. 269–274, 2017, doi: 10.22364/bjmc.2017.5.3.02.
- [66] R. Granger, T. Kleinjung, A. K. Lenstra, B. Wesolowski, and J. Zummer, "Computation of a 30 750-Bit Binary Field Discrete Logarithm," 2020.
- [67] F. Boudot, P. Gaudry, A. Guillevic, N. Heninger, E. Thom e, and P. Zimmermann, "New factorization and discrete logarithm record computations," Nancy, France, 2020.
- [68] K. Somsuk, "The new integer factorization algorithm based on Fermat's Factorization Algorithm and Euler's theorem," *Int. J. Electr. Comput. Eng.*, vol. 10, no. 2, pp. 1469–1476, 2020, doi: 10.11591/ijece.v10i2.pp1469-1476.
- [69] K. Somsuk, "The improvement of initial value closer to the target for Fermat's factorization algorithm," *J. Discret. Math. Sci. Cryptogr.*, vol. 21, no. 7–8, pp. 1573–1580, Nov. 2018, doi: 10.1080/09720529.2018.1502737.
- [70] V. Zadiraka, Y. Nykolaychuk, and S. Ivasiev, "The theory of factorization multidigit numbers," *Proc. 13th Int. Conf. Exp. Des. Appl. CAD Syst. Microelectron. CADSM 2015*, pp. 221–225, 2015, doi: 10.1109/CADSM.2015.7230841.