

BIBLIOGRAFIE

- [1] Julien Clinton Sprott, “*Chaos and Time-Series Analysis*”, Oxford University Press (2004)
- [2] Holger Kantz, Thomas Schreiber, “*Nonlinear Time Series Analysis*”, Cambridge University Press (2004)
- [3] Sheldon M. Ross, “*Simulation*”, Academic Press (2002)
- [4] Ed. Wolfram S., „*Theory and Application of Cellular Automata*”, World Scientific, Singapore (1986)
- [5] G. J. Rodgers, *From order into chaos*, Phys. Educ. 27, pp. 14-17(1992);
- [6] M. Kubicek, M. Marek, *Computational methods in bifurcation theory and dissipative structures*, Springer Series in Computational Physics, Springer-Verlag, New York Berlin Heidelberg Tokyo (1983);
- [7] H. Haken, *Discovery of Lorenz equations in laser dynamics*, Phys Lett. 53A(1975)77; H. Haken, *Light Vol2*, North-Holland Physics Publishing, Amsterdam (1986);
- [8] M. C. Gutzwiller, *Chaos in classical and quantum mechanics*, Ed. Springer-New York (1990);
- [9] B. P. Plapp, A. W. Hubler, *Nonlinear Resonances and Suppression of Chaos in the Rf-Biased Josephson Junction*, Phys. Rev. Lett, 65, 2302 (1990);
- [10] E. Ott, C. Grebogi, Y. A. Yorke, *Controlling chaos*, Phys. Rev. Lett, 64, 1196 (1990);
- [11] V. Petrov, B. Peng, K. Showalter, *A Map-Based Algorithm for Controlling Low-Dimensional Chaos*, J. Chem. Phys, 96 7506 (1992);
- [12] Y. Braiman, I. Goldhirsch, *Taming Chaotic Dynamics with Weak Periodic Perturbations*, Phys. Rev. Lett, 66, 2545 (1991); K. Pyragas, *Continuous control of chaos by self-controlling feedback*, Phys. Lett. A 170, 421(1990);
- [13] Max Born, Emil Wolf, “*Principels of Optics*”, Cambridge University Press, 1999
- [5] G. J. Rodgers, *From order into chaos*, Phys. Educ. 27, pp. 14-17(1992);
- [15] E. Scholl, K. Pyragas, D. Cooper, R. Döttl, *Tuning of semiconductor oscillators by chaos control*, Semicond. Sci. Technol. 9, pp559-563 (1994);
- [16] L. M. Pecora, T. L. Carroll, *Driving Systems with Chaotic Signals*, Phys. Rev. A 44, 2374(1991);
- [17] S. Hayes, C. Grebogi, E. Ott, A. Mark, *Experimental control of Chaos for Communication*, Phys. Rev. 73, 1781(1994);
- [18] D. Gregory, Van wiggeren, R. Rajarshi, *Optical communication with chaotic waveforms*, Phys. Rev. 81-16, 3547(1998);
- [19] C. O. Weiss, A. Godone, A. Olafsson, *Routes to chaotic emission in a cw He-Ne laser*, Phys. Rev. A 28-2, 892 (1983);
- [20] M. Ciofini, R. Meucci, F. T. Arecchi, *Experimental control of chaos in a laser*, Phys. Rev. E 52, 94 (1995);
- [21] N. B. Abraham, M. D. Coleman, et al., Appl. Phys. B28, 169 (1983);
- [22] M. Kang, K. Cho, C.-M. Kim, S.-K. Gil, J.-C. Lee, *Taming chaos of a laser-diode-pumped multimode Nd:YAG laser by small periodic modulation*, J. Opt. Soc. Am. b. 15,9, 2410 (1998);
- [23] E. R. Hunt, *Stabilizing high period orbits in a chaotic system - the diode resonator*, Phys. Rev. Lett. 67, 1953 (1991);

- [24] M. Pecora, T. L. Carrol, *Synchronization in chaotic systems*, Phys. Rev. Lett. 64, 821 (1990); aH-s
- [25] Phase synchronization and coding chaos with semiconductor lasers, M. Bulinski, M. L. Pascu, I. R. Andrei. Optoelec. and Adv. Mat. Vol. 6, No. 1(2004), p77-86
- [26] Hua Li, Jun Ye, J. G. McInerney, *Detailed analysis of coherence collapse in semiconductor lasers*, IEEE J. QE-29, 9, 2421 (1993)
- [27] Junji Ohtsubo, *Semiconductor Lasers: Stability, Instability and Chaos*, Second Edition, Springer, 2007.
- [28] F. Bertinotto, M.L. Pascu, M.A. Greco, M. Bisi, Studies on tunable laser as sources for spectroscopy measurements, SPIE, vol.2461, pp.317-324 (1995).
- [29] D. W. Sukow, D. J. Gauthier, "Entraining Power-Dropout Events in an External Cavity Semiconductor Laser Using Weak Modulation of the Injection Current", IEEE Journal of Quantum Electronics, vol. 36, no. 2, (2000).
- [30] J. S. Lawrence, D. B. Kane, "Nonlinear dynamics of a laser diode with optical feedback systems subject to modulation", IEEE J. Q. Electr 38, 185-192 (2002).
- [31] C. M. Ticoş, M. Bulinski, R. Andrei, and M. L. Pascu, "Power dropout control by optical phase modulation in a chaotic semiconductor laser", Journal of the Optical Society of America B, vol. 23, No. 12, pp. 2486-2493, (2006).
- [32] Y. Ikuma, J. Ohtsubo, "Dynamics in a Compound Cavity Semiconductor Laser Induced by Small External-Cavity-Length Change", IEEE Journal of quantum electronics, Vol. 34, NO. 7, 07 (1998).
- [33] D. W. Sukow, A. Gavrielides, T. McLachlan, G. Burner, J. Amonette, J. Miller, "Identity synchronization in diode lasers with unidirectional feedback and injection of rotated optical fields", Physical Review A 74, 023812 (2006).
- [34] „Laser Light Dynamics”, Haken, H., North-Holland (1985)
- [35] R. Lang, K. Kobayashi, External optical feedback effects on semiconductor injection laser properties, IEEE J. QE-16, 3, 347 (1980);
- [36] A. Sánchez-Díaz, C. R. Mirasso, P. Colet, and P. García-Fernández, "Encoded Gbits/s digital communications with synchronized chaotic semiconductor lasers," IEEE J. Quantum Electron. 35, 292–297 (1999).
- [37] Rogister, F. Sciamanna, R. Locquet, A. Megret, P. Deparis, O. Blondel, M., „Dynamical behavior of a multimode semiconductor laser subject to a single mode selective optical feedback”, Lasers and Electro-Optics, 2001. CLEO/Pacific Rim 2001. The 4th Pacific Rim Conference, Volume: 2, 170-171
- [38] B. Tromborg, J . H. Osmundsen, and H. Olesen, "Stability analysis for a semiconductor laser in an external cavity," IEEE J. Quantum Electron., vol. QE-20, pp. 1023-1032, 1984.
- [39] J. Mork, B. Tromborg, P. L. Christiansen, Bistability and low-frequency-fluctuations with optical feedback: a theoretical analysis, IEEE J. QE-24, 2, 123 (1988);