

Bibliografie

- [1] David W. Sukow and Daniel J. Gauthier, Entraining Power-Dropout Events in an External-Cavity Semiconductor Laser Using Weak Modulation of the Injection Current, *IEEE Journal of Quantum Electronics* 36, 175 (2000).
- [2] J. M. Buldu, R. Vicente, T. Perez, C. R. Mirasso M. C. Torrent and J. G.-Ojalvoa, Periodic entrainment of power dropouts in mutually coupled semiconductor lasers, *Applied Physics Letters* volume 81, 5106 (2002)
- [3] C.M. Ticos, I. Andrei, M Bulinski, M.L. Pascu, Power dropout control by optical phase modulation in a chaotic semiconductor laser, *Journal of the Optical Society of America* 23, 2486 (2006).
- [4] Y. Hong and K. A. Shore, Statistical measures of the power dropout ratio in semiconductor lasers subject to optical feedback, *Optics letters* 30, 3332 (2005).
- [5] J. S. Lawrence and D. M. Kane, Nonlinear Dynamics of a Laser Diode With Optical Feedback Systems Subject to Modulation, *IEEE Journal of Quantum Electronics* 85, 38185 (2002).
- [6] Y. Ikuma and J. Ohtsubo, Dynamics in a Compound Cavity Semiconductor Laser Induced by Small External-Cavity-Length Change, *IEEE Journal of Quantum Electronics* 34, 1240 (1998).
- [7] S. Schikora, P. Hovel, H.-J. Wunsche, E. Scholl, and F. Henneberger, All-Optical Noninvasive Control of Unstable Steady States in a Semiconductor Laser, *Physical Review Letters* 97, 13902 (2006).
- [8] R. L. Devaney, Ed. Benjamin-New York,1986; J.-D. Park, D.-S Soe, J. G. McInerney, *IEEE J.* **26**, 1353 (1990); J. Saccher, W. Elsaesser, E. O. Goebel, *Phys. Rev. Lett.* **63**, 2224 (1989);
- [9] R. Lang, K. Kobayashi, External optical feedback effects on semiconductor injection laser properties, *IEEE J. QE-16*, 3, 347 (1980);
- [10] 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).
- [11] I. Wallace, D. Yu, W. Lu, and R. G. Harrison, “Synchronization of power dropouts in coupled semiconductor lasers with external feedback,” *Phys. Rev. A* **63**, 013809 (2001).
- [12] W. Ray, W.-S. Lam, P. N. Guzdar, and R. Roy, “Observation of chaotic itinerancy in the light and carrier dynamics of a semiconductor laser with optical feedback,” *Phys. Rev. E* **73**, 026219 (2006).
- [13] 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); C Hsu, Cell-to-cel mapping, Springer-Verlag (1987);
- [14] Barnsley, Michael. *Fractals Everywhere*, San Diego, CA: Academic Press, 1988; ? K.J. Falconer, *The Geometry of Fractal Sets* , Cambridge University Press (1985);
- [15] Floris Takens. Detecting strange attractors in turbulence, *Lecture Notes in Mathematics* vol.898 (Springer, Berlin) pp366 -381(1981); ? H.D.I. Abarbanel, *Analysis of observed chaotic data*, Springer (1996); ? Eric Metois, *Musical Sound Information. Musical gestures and embedding synthesis*, Ph.D. dissertation, MIT(1996); ? A. A. Tsonis, *Chaos: From Theory to Applications*, Plenum Press, New York (1992);
- [16] A. K. Dewdney, *Mathematical Recreations: Leaping into Lyapunov Space*, *Scientific American*, pp178-180(1991);