

Literatura

- [1] T. Maiman, *Nature* 187, 493 (1960).
- [2] *Wikipedia* [online]. Dostupné z <https://en.wikipedia.org/> [cit. 2021-11-01].
- [3] K. Pátek: *Lasery – kvantové generátory světla*. SNTL, Praha, 1964.
- [4] *ELI Beamlines* [online]. Dostupné z <https://www.eli-beams.eu/> [cit. 2021-11-01].
- [5] P. Malý: *Optika*. Karolinum, Praha, 2013.
- [6] A. Einstein, *Physikalische Zeitschrift* 18, 121 (1917).
- [7] Ch. Gerry, P. Knight: *Introductory Quantum Optics*. Cambridge University Press, Cambridge, 2004.
- [8] D. E. McCumber, M. D. Sturge, *J. Appl. Phys.* 34, 1682 (1963).
- [9] O. Svelto: *Principles of Lasers*. Plenum, New York, 1982, Springer-Verlag, New York, 2010.
- [10] A. E. Siegman: *Lasers*. University Science Books, Mill Valley, California, 1986.
- [11] A. G. Fox, T. Li, *Bell Syst. Tech. J.* 40, 453 (1961).
- [12] G. Brooker: *Modern Classical Optics*. Oxford University Press, Oxford, 2003.
- [13] *Wikimedia Commons* [online]. Dostupné z https://commons.wikimedia.org/wiki/File:Hermite-Gaussian_modes.svg [cit. 2021-11-01].

- [14] *Wikimedia Commons* [online]. Dostupné z https://commons.wikimedia.org/wiki/File:Laguerre-Gaussian_modes.png [cit. 2021-11-01].
- [15] H. Haken: *Light*, vol. 2 (*Laser Light Dynamics*). North Holland, Amsterdam, 1985.
- [16] W. Koechner: *Solid State Laser Engineering*. Springer Verlag, New York, 1976.
- [17] S. Hooker, C. Webb: *Laser Physics*. Oxford University Press, Oxford, 2010.
- [18] W. G. Wagner, B. A. Lengyel, *J. Appl. Phys.* 34, 2040 (1963).
- [19] P. Hajfler, Diplomová práce, MFF UK, Praha, 1992.
- [20] *Wikipedia* [online]. Dostupné z https://en.wikipedia.org/wiki/Laser_rangefinder [cit. 2021-11-01].
- [21] T. Fortier, E. Baumann, *Commun. Phys.* 2, 153 (2019).
- [22] E. N. Lorenz, *J. Atmos. Sci.* 20, 130 (1963).
- [23] C. O. Weiss, J. Brock, *Phys. Rev. Lett.* 57, 2804 (1986).
- [24] A. C. Maciel, P. Maly, J. F. Ryan, *Phys. Rev. A* 39, 5455 (1989).
- [25] *Springer Handbook of Lasers and Optics*, ed. F. Traeger. Springer Science + Business Media, LLC New York, 2007.
- [26] *Spectra-Physics He-Ne Laser Tube Model 088* [online]. Dostupné z <http://lampes-et-tubes.info/lt/lt016.php> [cit. 2021-11-01].
- [27] *Spravočnik po lazeram v dvuch tomach*. Sovjetskoje radio, Moskva, 1978.
- [28] *Dye Lasers*, ed. F. P. Schaefer. Springer-Verlag, Berlin Heidelberg, 1973.
- [29] D. J. Bradley: *Organic Dyes in Technology*. Electronic Materials, ed. N. B. Hannay, U. Colombo, Springer, Boston, 1973.
- [30] W. Koechner, M. Bass: *Solid State Lasers*. Springer-Verlag, New York, 2003.
- [31] R. Dabu, *Crystals* 9, 347 (2019).

- [32] *Diode Laser Array: Delivering High Power Outputs by Combining Stacks* [online]. Dostupné z <https://www.findlight.net/blog/2019/02/24/diode-laser-array-high-power/> [cit. 2021-11-01].
- [33] *SuperK FIANIUM supercontinuum lasers* [online]. Dostupné z <https://www.nktpotonics.com/lasers-fibers/product/superk-fianium-supercontinuum-lasers/> [cit. 2021-11-01].
- [34] *X-ray free-electron laser science* [online]. Dostupné z <https://nux.ethz.ch/research/x-ray-free-electron-laser-science.html> [cit. 2021-11-01].
- [35] P. A. Franken, A. E. Hill, C. W. Peters, G. Weinreich, *Phys. Rev. Lett.* 7, 118 (1961).
- [36] W. Kaiser, C. G. B. Garrett, *Phys. Rev. Lett.* 7, 229 (1961).
- [37] B. E. A. Saleh, M. C. Teich: *Základy fotoniky III*, Matfyzpress, Praha, 1994–96.
- [38] *Peter Franken* [online]. Dostupné z <https://www.osa.org/en-us/history/biographies/bios/peter-franken/> [cit. 2021-11-01].
- [39] N. Bloembergen: *Nonlinear Optics*. W. A. Benjamin, New York, 1965.
- [40] R. Boyd: *Nonlinear Optics*. Academic Press, Boston, 2008.
- [41] M. Bass, P. A. Franken, A. E. Hill, C. W. Peters, G. Weinreich, *Phys. Rev. Lett.* 8, 18 (1962).
- [42] R. C. Miller, *Appl. Phys. Lett.* 5, 17 (1964).
- [43] R. L. Sutherland: *Handbook of Nonlinear Optics*. Marcel Dekker, New York, 2003.
- [44] G. New: *Introduction to Nonlinear Optics*. Cambridge University Press, New York, 2011.
- [45] *TOPAS-C. User's Manual*. Light Conversion, Vilnius, 2007.
- [46] P. Malý, J. Večeř, A. Svoboda, J. Pantoflíček, *Čs. čas. fyz.* 40, 134 (1990).

- [47] G. S. He: *Nonlinear Optics and Photonics*. Oxford University Press, New York, 2015.
- [48] H. Reichlová, Bakalářská práce, MFF UK, Praha, 2007.
- [49] H. J. Eichler, P. G. Dieter, W. Pohl: *Laser-Induced Dynamic Gratings*. Springer, Berlin, 1986.
- [50] H. M. Gibbs, S. L. McCall, T. N. C. Venkatesan, Phys. Rev. Lett. 36, 1135 (1976).
- [51] R. W. Hellwarth, Phys. Rev. 130, 1850 (1963).
- [52] T. Brabec, F. Krausz, Rev. Mod. Phys. 72, 545 (2000).
- [53] T. Gaumnitz, A. Jain, Y. Pertot, M. Huppert, I. Jordan, F. Ardana-Lamas, H. J. Wörner, Opt. Express 25, 27506 (2017).