

Bibliography

- [1] C. J. Benham. *J. Chem. Phys.*, 92(10):6294, 1990.
- [2] J. Bednar, P. Furrer, A. Stasiak, J. Dubochet, E. H. Egelman, and A. D. Bates. *J. Mol. Biol.*, 235:825, 1994.
- [3] J. F. Marko and E. D. Siggia. *Phys. Rev. E*, 52(3):2912, 1995.
- [4] A. C. Albert, F. Spirito, N. Figueroa-Bossi, L. Bossi, and A. R. Rahmouni. *Nucleic Acid Research*, 24:4289, 1996.
- [5] S. Smith, Y. Cui, and C. Bustamante. *Science*, 271:795, 1996.
- [6] T. R. Strick, J. F. Allemand, D. Bensimon, A. Bensimon, and V. Croquette. *Science*, 271:1835, 1996.
- [7] S. M. Englander, N. R. Kallenbach, A. J. Heeger, Krumhansl J. A., and S. Litwin. *Proc. Natl. Acad. Sci. USA*, 77:7222, 1980.
- [8] Krumhansl J. A. and D. M. Alexander. In E. Clementi and R. H. Sarma, editors, *Structure and Dynamics: Nucleic Acids and Proteins*, page 61, New York, 1983. Adenine press.
- [9] S. Homma and S. Takeno. *Prog. Theor. Phys.*, 72:679, 1984.
- [10] S Yomosa. *Phys. Rev. A*, 30:474, 1984.
- [11] L. V. Yakushevich. *studia biophysica*, 121(3):201, 1987.
- [12] V. Muto, J. Halding, P. L. Christiansen, and A. C. Scott. *J. Biomol. Struct. Dyn.*, 5:873, 1988.
- [13] L. V. Yakushevich. *Quarterly Reviews of Biophysics*, 26(2):201, 1993.
- [14] Peyrard M. and A. R. Bishop. *Phys. Rev. Lett.*, 62:2755, 1989.
- [15] M. Barbi, S. Cocco, M. Peyrard, and S. Ruffo. Accepted for publication *Journal of Biological Physics*.

- [16] M. Barbi, S. Cocco, and M. Peyrard. Submitted to Physics Letters A.
- [17] S. Cocco, M. Barbi, and M. Peyrard. Submitted to Physics Letters A.
- [18] W. Saenger. *Principles of Nucleic Acid Structure*. Springer, New York, 1984.
- [19] C. Calladine and H. Drew. *Understanding DNA*. Academic Press, London, 1992.
- [20] A. A. Travers. *DNA-Protein Interactions*. Chapman and Hall, London, 1993.
- [21] U. Dahlborg and A. Rupprecht. *Biopolymers*, 10:849, 1971.
- [22] J. A. McCammon and Harvey S. C. *Dynamics of Proteins and Nucleic Acids*. Cambridge University press, 1989.
- [23] E. W. and Prohofsky. *Phys. Lett. A*, 70:492, 1979.
- [24] W. Su, S. Porter, S. Kustu, and H. Echols. *Proc. Natl. Acad. Sci. USA*, 87:5505, 1990.
- [25] M. Ptashne. *Nature*, 322:697, 1986.
- [26] J. C. Wang and G. N. Giaver. *Science*, 240:300, 1988.
- [27] M. R. Gartenberg and D. M. Crothers. *J. Mol. Biol.*, 219:217, 1991.
- [28] B. S. Parekh and G. W. Hatfield. *Proc. Natl. Acad. Sci. USA*, 93:1173, 1996.
- [29] G. Rigaud, J. Roux, R. Pictet, and T. Grange. *Cell*, 67:977, 1991.
- [30] G. Brahms, S. Brahms, and Magasanik B. *J. Mol. Biol.*, 246:35, 1995.
- [31] S. Flach and C. R. Willis. *Physics Reports*, ??:?, 1997.
- [32] R. S. MacKay and S. Aubry. *Nonlinearity*, 7:1623, 1994.
- [33] T. Dauxois, M. Peyrard, and A. R Bishop. *Phys. Rev. E*, 47(1):684, 1993.
- [34] T. Dauxois, M. Peyrard, and C. R. Willis. *Physica D*, 57:267, 1992.
- [35] J. J.L. Ting and M. Peyrard. *Phys. Rev. E*, 53(1):1011, 1996.
- [36] T. Dauxois. *Dynamique Non Lineaire et Mechanique Statistique d'un Modèle d'ADN*. PhD thesis, Université de Bourgogne, 1988.
- [37] M. Remoissenet. *Phys. Rev. B*, 33(4):1835, 1996.
- [38] Nosé S. *Molecular Physics*, 52:255, 1984.

- [39] W. G. Hoover. *Phys. Rev. A*, 40:6134, 1985.
- [40] S. Nosé. *Prog. Theor. Phys. Supp.*, 103:1, 1991.
- [41] D. P. Millar, R. J. Robbins, and A. H. Zewail. *Proc. Natl. Acad. Sci. USA*, 77:5593, 1980.
- [42] I. Daumont, T. Dauxois, and M. Peyrard. *nonlinearity*, 10:617, 1997.
- [43] O. Bang and M. Peyrard. *Phys. Rev. E*, 53(4):4143, 1996.
- [44] M. Salerno. *Phys. Rev. A*, 44(8):5292, 1991.
- [45] M. Peyrard and T. Dauxois. In R. Gruber and M. Tomanini, editors, *Proceedings of the 6th joint EPS-APS International Conference on Physics Computing*, page 269, Lugano (Switzerland), august 1994.
- [46] D. Cule and T. Hwa. *Phys. Rev. Lett.*, 79(12):2375, 1997.
- [47] A. Campa and A. Giansanti. *Phys. Rev. E*, 58(3):3585, 1998.
- [48] V. Croquette. Personal communication.
- [49] R. Schroeder and E. R. Lippincott. *J. Phys. Chem.*, 61:921, 1957.
- [50] T. Dauxois and M. Peyrard. *Phys. Rev. E*, 51(5):4027, 1995.
- [51] D. Crothers, J. Drak, J. Khan, and S. Levene. *Math. Enzymology*, 212:3, 1992.
- [52] C. Bouchiat and M. Mezard. *Phys. Rev. Lett.*, 80(7):1556, 1998.
- [53] J. F. Marko and E. D. Siggia. *Macromolecules*, 27:981, 1994.
- [54] J. F. Marko and E. D. Siggia. *Science*, 265:506, 1994.
- [55] A. Lebrun and R. Lavery. *Nucleic Acid Research*, 24(12):2260, 1996.
- [56] A. Hasegawa and Y. Kodama. *Solitons in Optical Communications*. Clarendon Press, Oxford, 1995.
- [57] C. Cohen-Tannoudji, D. Diu, and F. Laloë. *Mécanique Quantique*. Hermann, Paris, 1973.
- [58] G. J. Martyna, M. L. Klein, and M. Tuckerman. *J. Chem. Phys.*, 97(4):2635, 1992.
- [59] D. Poland and H Scharaga. *J. Chem. Phys.*, 45:1456, 1966.