

HOLOMORPHIC DIFFERENTIALS IN MATHEMATICS AND PHYSICS

MSRI Program
August 12 to December 13, 2019

- [1] V. ARNOLD, M. KONTSEVICH, and A. ZORICH (eds.), *Pseudoperiodic topology*, American Mathematical Society Translations, Series 2 **197**, American Mathematical Society, Providence, RI, 1999, ISBN 0-8218-2094-X. MR 1733867. Zbl 0931.00017. doi: 10.1090/trans2/197.
- [2] P. S. ASPINWALL, T. BRIDGELAND, A. CRAW, M. R. DOUGLAS, M. GROSS, A. KAPUSTIN, G. W. MOORE, G. SEGAL, B. SZENDRŐI, and P. M. H. WILSON, *Dirichlet branes and mirror symmetry*, Clay Mathematics Monographs **4**, American Mathematical Society, Providence, RI, 2009, ISBN 978-0-8218-3848-8. MR 2567952. Zbl 1188.14026.
- [3] D. AUROUX, L. KATZARKOV, T. PANTEV, Y. SOIBELMAN, and Y. TSCHINKEL (eds.), *Algebra, geometry, and physics in the 21st century: Kontsevich Festschrift*, Progress in Mathematics **324**, Birkhäuser, Cham, 2017, ISBN 978-3-319-59938-0; 978-3-319-59939-7. MR 3702033. Zbl 1378.14001. doi: 10.1007/978-3-319-59939-7.
- [4] M. BONK, J. GILMAN, H. MASUR, Y. MINSKY, and M. WOLF (eds.), *In the tradition of Ahlfors-Bers, V*, Contemporary Mathematics **510**, American Mathematical Society, Providence, RI, 2010, ISBN 978-0-8218-4732-9. MR 2590591. Zbl 1185.30001. doi: 10.1090/conm/510.
- [5] S. B. BRADLOW, L. BRAMBILA-PAZ, O. GARCÍA-PRADA, and S. RAMANAN (eds.), *Moduli spaces and vector bundles*, London Mathematical Society Lecture Note Series **359**, Cambridge University Press, Cambridge, 2009, ISBN 978-0-521-73471-4. MR 2541856. Zbl 1167.14001. doi: 10.1017/CBO9781139107037.
- [6] O. GARCÍA-PRADA, P. B. GOTHEN, and V. MUÑOZ, *Betti numbers of the moduli space of rank 3 parabolic Higgs bundles*, Memoirs of the American Mathematical Society **187**:879, American Mathematical Society, Providence, RI, 2007, ISBN 978-0-8218-3972-0, 978-1-4704-0483-3. MR 2308696. Zbl 1132.14031. doi: 10.1090/memo/0879.
- [7] F. P. GARDINER, *Teichmüller theory and quadratic differentials*, Wiley, New York, NY, 1987, ISBN 0-471-84539-6. MR 903027. Zbl 0629.30002.
- [8] W. GOLDMAN, C. SERIES, and S. P. TAN (eds.), *Geometry, topology and dynamics of character varieties*, Lecture Notes Series, Institute for Mathematical Sciences, National University of Singapore **23**, World Scientific, Hackensack, NJ, 2012, ISBN 978-981-4401-35-7. MR 2976670. Zbl 1242.00065. doi: 10.1142/8445.
- [9] W. M. GOLDMAN and E. Z. XIA, *Rank one Higgs bundles and representations of fundamental groups of Riemann surfaces*, Memoirs of the American Mathematical Society **193**:904, American Mathematical Society, Providence, RI, 2008, ISBN 978-0-8218-4136-5, 978-1-4704-0510-6. MR 2400111. Zbl 1158.14001. doi: 10.1090/memo/0904.
- [10] S. GUKOV, M. KHOVANOV, and J. WALCHER (eds.), *Physics and mathematics of link homology*, Contemporary Mathematics **680**, American Mathematical Society, Providence, RI, 2016, ISBN 978-1-4704-1459-7. MR 3591640. Zbl 1369.57001. doi: 10.1090/conm/680.
- [11] L. JI, S. A. WOLPERT, and S.-T. YAU (eds.), *Geometry of Riemann surfaces and their moduli spaces*, Surveys in Differential Geometry **14**, International Press, Somerville, MA, 2009, ISBN 978-1-57146-140-7. MR 2664217. Zbl 1186.14005. <https://www.intlpress.com/site/pub/pages/journals/items/sdg/content/vols/0014/0001>.

- [12] S. KOLYADA, M. MÖLLER, P. MOREE, and T. WARD (eds.), *Dynamics and numbers: Proceedings of a Special Program: June 1–July 31, 2014, and International Conference: July 21–25, 2014, held at the Max Planck Institute for Mathematics, Bonn*, Contemporary Mathematics **669**, American Mathematical Society, Providence, RI, 2016, ISBN 978-1-4704-2020-8. MR 3546660. Zbl 1346.37004. doi: 10.1090/conm/669.
- [13] K. STREBEL, *Quadratic differentials*, Ergebnisse der Mathematik und ihrer Grenzgebiete (3) **5**, Springer, Berlin, 1984, ISBN 3-540-13035-7. MR 743423. Zbl 0547.30001. doi: 10.1007/978-3-662-02414-0.
- [14] S. A. WOLPERT, *Families of Riemann surfaces and Weil–Petersson geometry*, CBMS Regional Conference Series in Mathematics **113**, American Mathematical Society, Providence, RI, 2010, ISBN 978-0-8218-4986-6. MR 2641916. Zbl 1198.30049. doi: 10.1090/cbms/113.