

PUBLICATIONS BY STEVEN BRADLOW

1. Papers in print or accepted for publication.

- [24] (with Peter Gothen and Oscar Garcia-Prada), *Representations of surface groups in the general linear group*, Proceedings of the XII Fall Workshop on Geometry and Physics, Coimbra, 2003, Publicaciones de la RSME (to appear).
- [23] (with Peter Gothen and Oscar Garcia-Prada), *Moduli spaces of holomorphic triples over compact Riemann surfaces*, Math. Annalen **328** (2004), 299-351.
- [22] (with Peter Gothen and Oscar Garcia-Prada), *Surface group representations and $U(p,q)$ -Higgs bundles*, J. Diff. Geom. **64** (2003), 111-170.
- [21] (with Oscar Garcia-Prada and Ignasi Mundet i Rierra), *Relative Hitchin-Kobayashi correspondences for principal pairs*, Quarterly Journal of Mathematics **54** (2003), 171-208.
- [20] (with Vicente Munoz, Peter Newstead, and Oscar Garcia-Prada), *Coherent Systems and Brill Noether Theory*, Int. J. Math. **14** (2003), 683-733.
- [19] (with Tomas Gomez), *Extensions of Higgs Bundles*, Illinois Journal of Mathematics **46** (2002), 587-625.
- [18] (with Oscar Garcia-Prada), *An Application of Coherent Systems to a Brill-Noether Problem*, J. Reine Angew. Math. **551** (2002), 123-143.
- [17] (with Oscar Garcia-Prada and Peter Gothen), *Representations of the fundamental group of a surface in $PU(p,q)$ and holomorphic triples*, C.R. Acad. Sci. Paris, Series 1 **333** (2001), 347-352.
- [16] (with J.F. Glazebrook and F.W. Kamber), *Dimensional Reduction of the Perturbed Hermitian-Einstein equations*, Proceedings Volume of The Conference of Geometry and Its Applications in Technology and The Workshop on Global Analysis, Differential Geometry and Lie Algebras, 1997 (Gr.Tsagas, eds.), Balkan Society of Geometers, Geometry Balkan Press, Bucharest, (2001), pp. 43-62.
- [15] (with J.F. Glazebrook and F.W. Kamber), *The Hitchin-Kobayashi Correspondence for Twisted Triples*, Int. J. Math **11** (2000), 493-508.
- [14] (with J.F. Glazebrook and F.W. Kamber), *Reduction of the Hermitian-Einstein equations on Kahlerian fiber bundles*, Tohoku Math. Jour. **51** (1999), 81-124 (received 17 September 1997, revised 27 May 1998).
- [13] (with O. Garcia-Prada), *A Hitchin-Kobayashi correspondence for coherent systems on Riemann surfaces*, Jour. Lond. Math. Soc. **60** (1999), 155-170 (received 16 August 1996; revised 28 October 1997).
- [12] (with J.F. Glazebrook and F.W. Kamber), *A New look at the vortex equations and dimensional reduction*, Geometry, Topology and Physics: Proceedings of 1st USA/Brazil Workshop (B. Apanasov, S. Bradlow, W. Rodrigues Jr., K. Uhlenbeck, eds.), De Gruyter, 1997, pp. 83-106.

- [11] (with O. Garcia-Prada), *Non abelian Monopoles and Vortices*, Proceedings of the Aarhus Conference in Geometry and Physics (J. Andersen, J. Dupont, H. Pedersen and A. Swann, eds.), Marcel Dekker, 1996, pp. 567–589.
- [10] ———, *Stable Triples, Equivariant Bundles, and Dimensional Reduction*, Math. Ann. **304** (1996), 225–252 (received 5 January, 1994).
- [9] (with G.D. Daskalopoulos, and R.A. Wentworth), *Birational equivalence of Vortex Moduli*, Topology **35** (1996), 731–748.
- [8] *Hermitian-Einstein Inequalities*, Int. J. Math. **6** (1995), 645–656 (received 24 February, 1995).
- [7] ———, *Higher Cohomology Triples and Holomorphic Extensions*, Comm. Anal. Geom. **3** (1995), 421–465 (received July 5, 1995).
- [6] (with G.D. Daskalopoulos, R. Wentworth, and O. Garcia-Prada), *Stable Augmented Bundles over Riemann Surfaces*, in “Vector bundles in Algebraic Geometry”, eds. N. Hitchin, P. Newstead, and W. Oxbury, LMS Lecture Notes **208** (1995), 15–67.
- [5] (with G.D. Daskalopoulos), *Moduli of Stable Pairs for Holomorphic Bundles over Riemann Surfaces, II*, Int. J. Math **4** (1993), 903–925.
- [4] *Non-abelian Vortices and a New Yang-Mills-Higgs Energy*, Proc. Symp. Pure Math. **54** (1993), 85–98.
- [3] (with G.D. Daskalopoulos), *Moduli of Stable Pairs for Holomorphic Bundles over Riemann Surfaces, I*, Int. J. Math **2** (1991), 903–925.
- [2] *Special Metrics and Stability for Holomorphic Bundles with Global sections*, J. Diff. Geom. **33** (1991), 169–213.
- [1] *Vortices in holomorphic Line Bundles over Closed Kaehler Manifolds*, Comm. Math. Phys. **135** (1990), 1–17.

2. Books.

- [25] B. Apanasov, S. Bradlow, W. Rodrigues Jr., K. Uhlenbeck (eds.), *Geometry, Topology and Physics: Proceedings of 1st USA/Brazil Workshop*, De Gruyter, 1997.

3. Preprints.

- [26] *ϕ -stability in Rank Two Bundles over Riemann Surfaces*, MSRI Preprint series (1989).
- [27] (with Vicente Munoz, Peter Newstead, Vincent Mercat, and Oscar Garcia-Prada), *On the geometry of moduli spaces of coherent systems on algebraic curves* (math.AG/0407523).
- [28] (with O. Garcia-Prada and P. Gothen), *Homotopy groups of moduli spaces of representations* (math.AG/0506444).

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