

## Publication list.

Misha Verbitsky, December 2011<sup>1</sup>

### Books

- Verbitsky, Misha; Kaledin, Dmitri *Hyperkahler manifolds*. Mathematical Physics (Somerville), 12. International Press, Somerville, MA, 1999. iv+257 pp. ISBN: 1-57146-071-3
- “Topology for first-year students”, by M. Verbitsky (in Russian), 370 pp, to appear in Independent University of Moscow Press, <http://verbit.ru/MATH/UCHEBNIK/top-book.pdf>

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- [1] Verbitsky M. *On the action of a Lie algebra  $SO(5)$  on the cohomology of a hyperkähler manifold*, Func. Analysis and Appl. 24(2) pp. 70-71 (1990).
- [2] Verbitsky M., *Hyperholomorphic bundles over the hyperkähler manifolds*, Journ. of Alg. Geom., 5 no. 4 (1996) pp. 633-669.
- [3] Verbitsky M., *Hyperkähler and holomorphic symplectic geometry I*, Journ. of Alg. Geom., vol. 5 no. 3 pp. 401-415 (1996).
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- [5] Misha Verbitsky, *Cohomology of compact hyperkähler manifolds and its applications*, GAFA vol. 6 no. 4 pp. 601–612 (1996)
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- [8] Misha Verbitsky, *Deformations of trianalytic subvarieties of hyperkähler manifolds*, Selecta Math., New ser. 4 (1998) 447-490
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- [15] D. Kaledin, M. Verbitsky, *Period map for non-compact holomorphically symplectic manifolds*, math.AG/0005007, GAFA 12 (2002), no. 6, 1265–1295.
- [16] M. Verbitsky, *Hyperkähler manifolds with torsion, supersymmetry and Hodge theory*, math.AG/0112215, Asian J. of Math., Vol. 6, No. 4, pp. 679–712 (2002)
- [17] M. Verbitsky, *Coherent sheaves on general K3 surfaces and tori*, math.AG/0205210, Pure Appl. Math. Q. 4 (2008), no. 3, part 2, 651–714.
- [18] M. Verbitsky, *Vanishing theorems for locally conformal hyperkähler manifolds*, math.DG/0302219, 41 pages, Proc. of Steklov Institute, vol. 246, 2004, pp. 54–79
- [19] M. Verbitsky, *Hyperkähler manifolds with torsion obtained from hyperholomorphic bundles* math.DG/0303129, Math. Res. Lett. 10 (2003), no. 4, 501–513.
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