

Nefton Pali's Publications and Preprints

PUBLICATIONS

Publication 1: $\bar{\partial}$ -Coherent Sheaves over Complex Manifolds, *Mathematische Annalen*. Vol 336, (2006), Nr 3, 571-615.

Publication 2: Plurisubharmonic functions and positive $(1, 1)$ -currents over almost complex manifolds, *Manuscripta Mathematica*, volume 118, (2005) issue 3, pp. 311 - 337.

Publication 3: The Chern Connection of the Tangent Bundle of Almost Complex Manifolds, *New-York Journal of Mathematics*. 11, (2005) 597 - 634.

Publication 4: A consequence of a lower bound of the K-energy, *International Mathematics Research Notices*, (2005), no. 50, 3081 - 3090

Publication 5: Characterization of Einstein-Fano manifolds via the Kähler-Ricci flow, *Indiana Univ. Math. J.* 57, (2008), no. 7, 3241-3274.

Publication 6: On the solutions of the Aubin equation and the K -energy of Einstein-Fano manifolds, *Complex Var. Elliptic Equ.* 54, (2009), no. 11, 1019-1054.

Publication 7: (In collaboration with Jean-Pierre Demailly) Degenerate complex Monge-Ampère equations over compact Kähler manifolds. *Internat. J. Math.* 21 (2010), no. 3, 357-405.

Publication 8: On the L^2 -extension of twisted holomorphic sections of singular hermitian line bundles, *Annali di Matematica Pura ed Applicata*, 191 (2011) no. 3, 363-394.

Publication 9: A second variation formula for Perelman's \mathcal{W} -functional along the modified Kähler-Ricci flow, arXiv:1201.0970v1, (2012), *Mathematische Zeitschrift*. 276 (2014), no. 1-2, 173-189.

Publication 10: The total second variation of Perelman's \mathcal{W} -functional, *Calc. Var. Partial Differential Equations* 50 (2014), no. 1-2, 115-144.

Publication 11: The Soliton-Kähler-Ricci flow over Fano manifolds, *New York J. Math.* 20 (2014), 845-919.

Publication 12: Variation formulas for the complex components of the Bakry-Emery-Ricci endomorphism, (2014), *Complex Var. Elliptic Equ.* 60 (2015), no. 5, 635-667.

Publication 13: Variational stability of Kähler-Ricci solitons, *Advances in Mathematics* 290, (2016), 15-35.

Publication 14: The Soliton-Kähler-Ricci flow with variable volume forms, *Complex Manifolds*, Vol 3, Issue 1, (2016), 41-144.

Publication 15: Chern-Ricci invariance along G-geodesics, *Michigan Mathematical Journal*, Volume 66, Number 3, (2017), 611-623.

Publication 16: On complex deformations of Kähler-Ricci solitons, *Kodai Mathematical Journal*, to appear.

Publication 17: Concavity of Perelman's \mathcal{W} -functional over the space of Kähler potentials, *European Journal of Mathematics*, to appear.

Publication 18: Exact Fourier inversion formula over manifolds, *Journal of Pseudo-Differential Operators and Applications*, to appear.

LECTURE NOTES

Lecture notes on the Ein-Popa extension result, arXiv:0904.0842v2. (2009).