

## Liste de publications de Nefton PALI

**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** : Degenerate Complex Monge-Ampère equations over compact Kähler Manifolds (En collaboration avec Jean-Pierre Demailly), *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** : Variation formulas for the complex components of the Bakry-Emery-Ricci endomorphism, arXiv :1406.0805. (2014), à paraître *Complex Var. Elliptic Equ.*

**Publication 12** : The Soliton-Kähler-Ricci flow over Fano manifolds, (union de arXiv :1203.3682 et arXiv :1203.3684, (2012)), *New York J. Math.* 20 (2014), 845-919.

**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, 3 (2017), no. 3, 587-602

**Publication 18** : Exact Fourier inversion formula over manifolds, Journal of Pseudo-Differential Operators and Applications, 8 (2017), no. 4, 623-628.

## 0.1 Notes sur des résultats majeurs

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