

# Welcome to my blog

June 25, 2021

## Contents

### These 2020-2021

THESE

- **Donaldson 2010:** Calabi–Yau metric on K3 surface from glueing Eguchi–Hanson metric *<2020-11-09 Mon>* PUBLIC

### Thèse 2019-2020

THESE

- Bonnet–Myers and Synge–Weinstein *<2019-09-21 Sat>* PUBLIC:MANUSCRIPT

### Thèse 2018-2019

THESE

- **Eells–Salamon 85:** Minimal surfaces and holomorphic curves *<2018-10-26 Fri>* PUBLIC:GEO\_DIFF:HARMONIC\_MAP:HOLOMORPHIC\_CURVE:GEO\_SYMP:TWISTOR

### Stage 2018

STAGE

- Summary and the report *<2018-05-29 Tue>* PUBLIC
- Minimal immersions of  $\mathbb{S}^2$  *<2018-06-24 Sun>* PUBLIC:HARMONIC\_MAP
- Energy estimates and Existence of harmonic maps between Riemannian manifolds *<2018-05-06 Sun>* PUBLIC

- Short-time existence and regularity for nonlinear heat equation <2018-06-01 Fri> PUBLIC
- Polynomial differential operators and Besov spaces <2018-05-27 Sun> PUBLIC
- Elliptic and parabolic equations on compact manifolds <2018-04-30 Mon> PUBLIC:PDE:MICROLOCAL\_ANALYSIS
- Interpolation theory and Sobolev spaces on compact manifolds <2018-04-30 Mon> PUBLIC:GEOMETRIC\_ANALYSIS:SOBOLEV\_SPACE
- Parametrix and Green's function of Laplacian operator on Riemannian manifolds <2018-03-22 Thu> PUBLIC:GEOMETRIC\_ANALYSIS
- A comparison theorem, Sobolev imbeddings and Konrachov theorem for Riemannian manifolds <2018-03-22 Thu> PUBLIC
- Harmonic maps of Riemannian manifolds <2018-02-20 Tue> PUBLIC:HARMONIC\_MAP

## Orsay 2017-2018

ORSAY

- Algebraisation theorems I: Chow's theorem <2018-04-05 Thu> PUBLIC
- Divisors, Picard group and Kodaira embedding theorem <2017-12-13 Wed> PUBLIC

## Stage 2017

- Bogomolov-Beauville classification, <2017-08-31 Thu> PUBLIC
- Calabi-Yau theorem, <2017-08-31 Thu> PUBLIC
- From Busemann function to Cheeger-Gromoll splitting, <2017-08-31 Thu> PUBLIC
- Berger classification and remarks on parallel structures, <2017-08-31 Thu> PUBLIC

- Symmetric spaces and Lie groups, *<2017-08-31 Thu>* PUBLIC
- De Rham decomposition, *<2017-08-31 Thu>* PUBLIC