

Contact

10/12/1998 (26 years old) clement.tiffon@u-bordeaux.fr (+33) 06 52 25 23 16 5 rue de la lande, 33290 Ludon-Médoc, France

Skills

Scientific Communication

(Lab work, internships and the FPT)

Scientific scheme

Vector drawing software enables me to create diagrams and illustrations in a scientific context.

English proficiency:B2

Languages



Raw data processing, integration, filtering, Regression and image Representation visual representation of data, Advance Use of classes Some module and

package creation skills. Reference documentation and ability to work with API documentation for numerous packages. (Numpy, Matplotlib, Scypy, Pandas, AstroPy, OpenCV, Scikit Image, Seaborn)

IATE'X

Reports redaction, formulas, **Plugins**& **Templates**use

- Softwares -

Git: Collaborative work and tracking changes in files

Affinity: vectorial drawing & layout

MicrosoftOffice

astroImagJandFidji: imageanalysis Zotero: References management

Clément Tiffon

PhD student :Turbulence Drag & Drag Reduction

Work Experiance

Now 2023 Physics Thesis: Turbulence Drag and Drag

CNRS - LOMA - University of Bordeaux, Talence, France

Experimental thesis on the relationship between turbulent drag and the turbulent spectrum. Study of the impact of polymers on the dynamics of two-dimensional flows. Use of an innovative setup based on soap films. Characterization through PIV, LDV, and PTV to analyze flow dynamics, quantify frictional forces, and

Education

2023 2020

MS in Fundamental Physics Particles, Plasmas & Universe

University of Bordeaux, 33400 Talence, France

specialization:

Interferometry and application to radio

astronomy

High energy astronomy, GRB study Visible astronomy and study of exoplanet

transit Stellar structure

1styearoption:

Cosmology and stellar physics Lasers and optical instrumentation

Soft matterphysics

2020 2016 |

Bachelor's degree of Science in Physics

University of Bordeaux, 33400 Talence, France

Internships and projects –

2023

March-June Experiments on collective behavior of selfpropelled robots and analogies with gases

Supervisors: HamidKellay& Jean-François Boudet,

Laboratoire Ondes et Matière d'Aquitaine (LOMA), 33400 Talence,

France Use of self-propelled Robots to analyse emerging collective behaviour of

active particles. Use of torsion spring as an experimental probe. Statistical

analysis of fluctuations in pendulum oscillations.

April-June 2022

Optofluidic: Experimental measures of optical stress induced by a laser on a drop

Supervisors:UlysseDelabre&Jean-PierreDelville,

Trapping of drops with the inversed levitation method.

Characterisation of local optical stress induced by a laser on a drop

image analysis of its deformations.

2018

French Physicists' Tournament

2019 2020

Member of the Bordeaux team for three years cf: france.iptnet.info

