

# SUNFLUIDH : A SOFTWARE FOR THE COMPUTATIONAL FLUID DYNAMICS

Author : Yann Fraigneau ([yann.fraigneau@lisn.fr](mailto:yann.fraigneau@lisn.fr))

## USER'S GUIDE

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### Introduction

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- [A brief description](#)
  - [Sunfluidh install](#)
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### Equations solved, input and outputs files

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- [Sets of equations](#)
  - [Sunfluidh data sets \(input file\)](#)
  - [Sunfluidh output files](#)
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### How to use Sunfluidh : Key points, Tutorial and examples

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- [Overview of key points for using sunfluidh](#)
  - [Tutorial : how to build the input data file ?](#)
  - [Focus on wall boundary conditions : Some examples here](#)
  - [Examples of different cases](#)
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### Add-ons

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- [More details ? : Information on the numerical methods \(staggered grid, discretization, ...\)](#)
  - [VISFIELD : a file format converter for visualization](#)
  - [MESHGEN : a mesh generator for sunfluidh](#)
  - [MATLAB : reading output files with Matlab](#)
  - [Python : reading output files with Python](#)
  - [More details ? : Information on the numerical methods \(staggered grid, discretization, ...\)](#)
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/\* Documents on the educative version of Sunfluidh \*/

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<https://sunfluidh.lisn.upsaclay.fr/> - **Documentation du code de simulation numérique SUNFLUIDH**

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