

Ondřej Kincl

- ✉ ondrej.kincl.6@gmail.com
- 🌐 <https://www2.karlin.mff.cuni.cz/~kincl>
- 🐙 <https://github.com/OndrejKincl>
- 📍 Prague, Czech Republic



EDUCATION

- **Doctoral:** Charles University (2020 - ongoing)
Faculty of Mathematics and Physics, Mathematical and Computer Modeling
- **Master:** Charles University (2018 - 2020)
Faculty of Mathematics and Physics, Mathematical Modeling in Physics and Technology

WORK EXPERIENCE

- **Researcher:** Czech Technical University, Faculty of Nuclear Sciences and Physical Engineering (2020 - 2021)
- **Teacher:** tutorials of mathematical analysis at Charles University (2020 - 2021)

PUBLICATIONS & PROJECTS

- [Simulation of superfluid fountain effect using smoothed particle hydrodynamics](#). *Physics of Fluids* 35.4 (2023).
- [Globally time-reversible fluid simulations with smoothed particle hydrodynamics](#). *Computer Physics Communications* 284 (2023): 108593.
- [Unified description of fluids and solids in Smoothed Particle Hydrodynamics](#). *Applied Mathematics and Computation* 439 (2023): 127579.
- [Theoretical Analysis of Rolling Fluid Turbines](#). *SIAM Journal on Applied Mathematics* 82.1 (2022): 313-329.
- [SmoothedParticles.jl](#), <https://github.com/OndrejKincl/SmoothedParticles.jl>

COMPUTER SKILLS

Languages: Julia, Python, C, C#, C++, Matlab, HTML, bash
Programs/frameworks: LaTeX, FEniCS, GMSH, Git, FreeCAD, Inkscape, GIMP
Operating systems: Linux, Windows

LANGUAGE SKILLS

English (advanced), Czech (native), French (beginner)

OTHER EXPERIENCE

- Three-month internship in Trento (Italy) under supervisor Ilya Peshkov
- Best poster award at LT29 conference in Sapporo (Japan)
- former vice president of [SIAM Student Chapter Prague](#)
- B driving licence

last update: October 2023