

# Examples of cases

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## Isothermal incompressible flows

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- [2D Eddy convection in a uniform velocity field](#)
  - [2D laminar channel flow](#)
  - [2D laminar channel flow with a constriction](#)
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## Incompressible flows with heat transfer (conduction & advection)

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- [2D laminar channel flow containing a heated square bar](#)
- [2D channel flow with a thermally conductive square bar heated from the top wall](#)
- [2D heat-driven cavity flow](#)
- [2D Rayleigh-Bénard flow](#)

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## Incompressible flows with heat transfer (conduction & advection & radiative transfer)

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- [3D heat-driven cavity flow coupled with Real Gas Radiation](#)

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## Low Mach number flows

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- [Successive compression cycles of a 2D quasi-adiabatic cavity](#)
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## Thermo-acoustics

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- [2D model for the Atchley's experiment](#)

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2021/04/30 13:15 sunfluidh:sunfluidh\_examples\_data\_set [https://sunfluidh.lisn.upsaclay.fr/doku.php?id=sunfluidh:sunfluidh\\_examples\\_data\\_set&rev=1619781331](https://sunfluidh.lisn.upsaclay.fr/doku.php?id=sunfluidh:sunfluidh_examples_data_set&rev=1619781331)

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