

# 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 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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- [time-variation volume of a 2D closed cavity](#)

## — Thermo-acoustics

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

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