**Buoyancy-Driven Flow with Boussinesq approximation**[1]
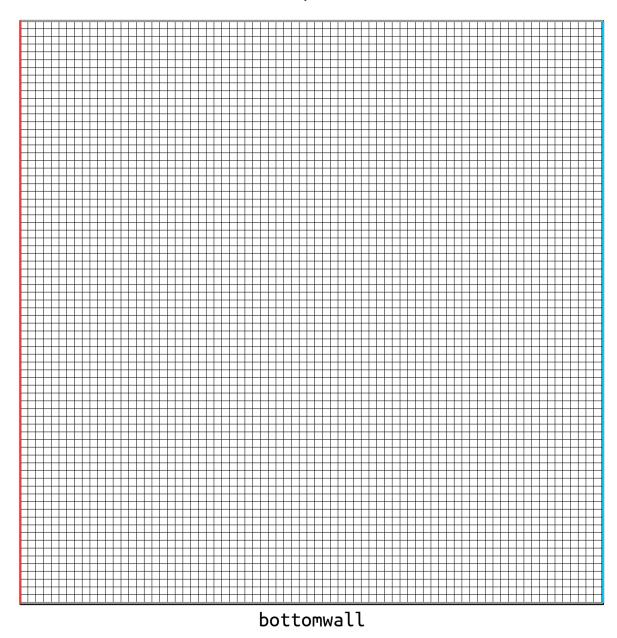
1 m × 1 m square
0.01 m mesh

topwall

hotwall

coldwall

bottomwall

$y$

$x$

$g$