Boundary Conditions

Idea for vertical boundary conditions: use forward and backward difference approximation to get expressions for (top) and (bottom). So

Q: boundary – 0 or -1?

A: 0

# Horizontal (periodic)

# Vertical

## Vertical velocity

##### Top:

##### Bottom:

## Horizontal velocity

##### Top:

##### Bottom:

## Energy

##### Top:

##### Bottom:

Similarly

## Density

Found from initial conditions:

Top:

Bottom: