



A diagram showing a fluid element within a larger fluid. The fluid is represented by a light gray background. A horizontal solid line at the top represents the free surface. A dashed rectangular box represents the fluid element. To the left of the box, a vertical double-headed arrow indicates the height  $h$  from the top surface to the bottom of the box. Inside the box, a downward-pointing arrow is labeled  $G$ . Below the box, an upward-pointing arrow is labeled  $R$ . In the top right corner, there are several horizontal lines of varying lengths, possibly representing a boundary or a different fluid layer.

$h$

$G$

$R$