



A diagram of a fluid channel. A central light blue rectangular region is bounded by two vertical green hatched lines. A vertical blue line runs through the center of the blue region. Two purple arrows, one pointing down and one pointing up, are positioned on this central line. To the right of the arrows is the text $d = \delta(y)$. On the left and right sides of the hatched boundaries, the velocity conditions $u_x = 0$ and $u_y = 0$ are written in purple.

$$u_x = 0$$
$$u_y = 0$$

$$d = \delta(y)$$

$$u_x = 0$$
$$u_y = 0$$