



A diagram of a fluid flow problem in a channel. The channel is represented by a light blue rectangular region bounded by dark blue lines. On the left and right sides of the channel, there are vertical green hatched regions representing walls. In the center of the channel, there is a vertical dark blue line. To the left of this line is a purple upward-pointing arrow, and to the right is a purple downward-pointing arrow. Between these two arrows is the text $d = -2.0\text{m}$. On the far left and far right, outside the channel, are purple equations $u_x = 0$ and $u_y = 0$.

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

$$d = -2.0\text{m}$$

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