



A diagram of a vertical plate, represented by a light blue rectangle with a dark blue border. A vertical dark blue line runs down the center of the plate, representing a crack. On the left side of the plate, there is a purple arrow pointing upwards. On the right side, there is a purple arrow pointing downwards. In the center of the plate, between the two halves of the crack, there are two purple arrows: one pointing up and one pointing down. Text labels are placed around the plate: on the left, on the right, and in the center.

$$u_x = 0$$
$$\dot{u}_y = +1.0 \text{ cm/yr}$$

$$d = -2.0 \text{ m}$$
$$t \geq 100 \text{ yr}$$

$$u_x = 0$$
$$\dot{u}_y = -1.0 \text{ cm/yr}$$