



The diagram shows a vertical rectangular plate with a light blue fill and a dark blue border. A vertical line divides the plate into two equal halves. On the left boundary, a purple arrow points upwards. On the right boundary, a purple arrow points downwards. In the center of the plate, there are two purple arrows: one pointing upwards and one pointing downwards, representing a discontinuity. To the left of the plate, the boundary conditions are given. To the right, the conditions for the discontinuity are given.

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

$$d = -1.0 \text{ m}$$

$$t \geq 100 \text{ yr}$$

$$d = -3.0 \text{ m}$$

$$t \geq 200 \text{ yr}$$

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