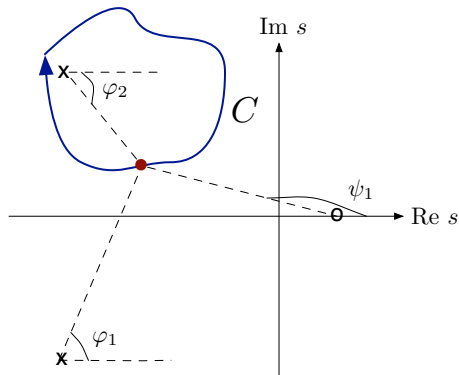


Case 2: Contour Encircles a Pole

Suppose that C is a closed, \circlearrowleft -oriented contour in \mathbb{C} that encircles a pole of $H(s)$:



How does $\angle H(s)$ change as we go around C ?