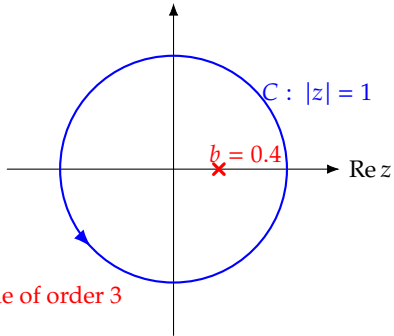


$z$ -plane

$\text{Im } z$

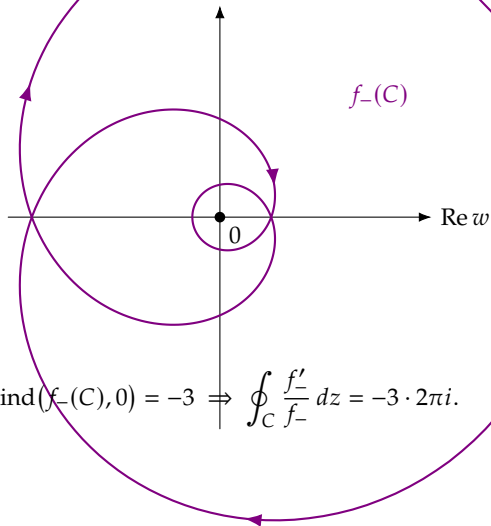


pole of order 3

$$f_-(z) = \frac{1}{(z - 0.4)^3}, \quad \#Z - \#P = -3$$

$w = f_-(z)$ -plane

$\text{Im } w$



$$\text{wind}(f_-(C), 0) = -3 \Rightarrow \oint_C \frac{f'_-}{f_-} dz = -3 \cdot 2\pi i.$$