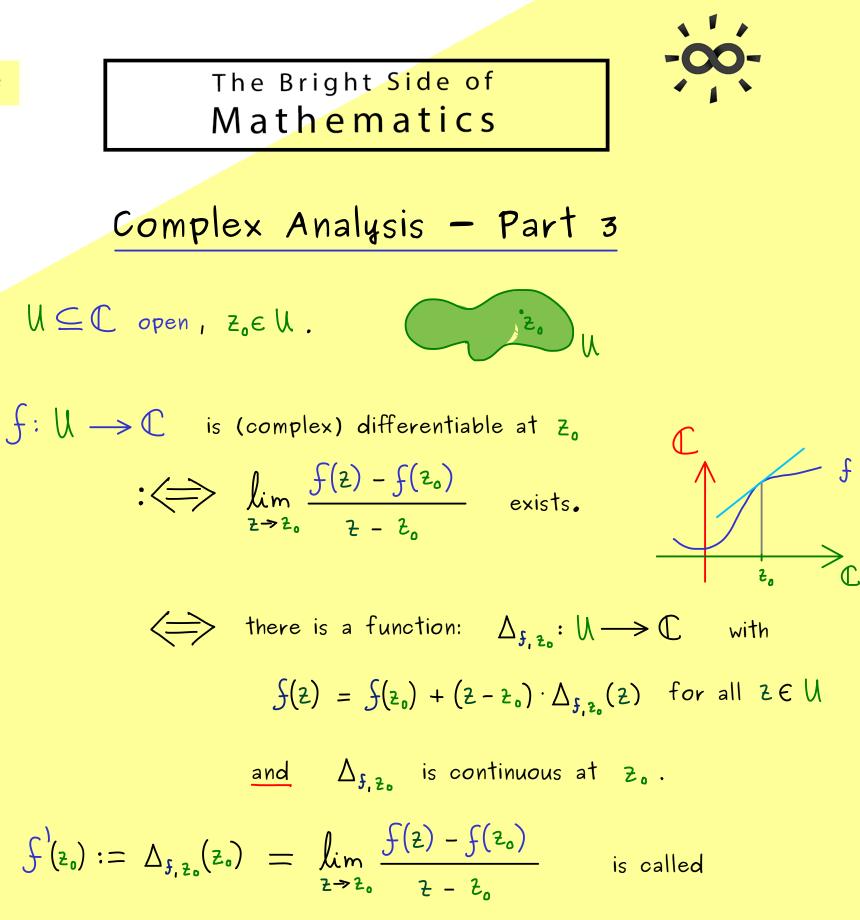
ON STEADY



the (complex) derivative of f at z_0 .

Examples:

<u>Definition:</u>

(a)
$$f: \mathbb{C} \longrightarrow \mathbb{C}$$
, $f(z) = m \cdot z + c$ for $m, c \in \mathbb{C}$
 $f(z) = (m \cdot z_0 + c) + (z - z_0) \cdot m$

