

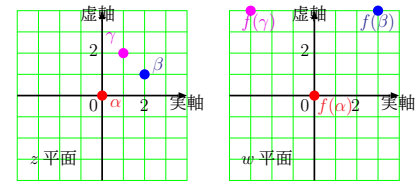
電 210 電気数学 IV

第 4 回 複素関数

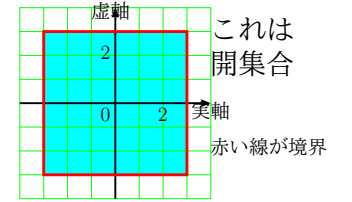
演習 4-1 解答 (1)

$$\begin{aligned}f(\alpha) &= 0 \\f(\beta) &= 3 + 4i \\f(\gamma) &= -3 + 4i\end{aligned}$$

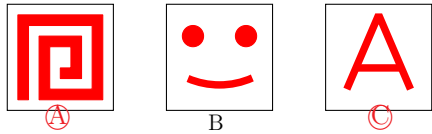
演習 4-1 解答 (2)



演習 4-2 解答



演習 4-3 解答



演習 4-4 解答

$$\lim_{z \rightarrow 0} \frac{z+i}{z+2i} = \boxed{1/2} \quad \lim_{z \rightarrow -i} \frac{2}{z-i} = \boxed{i}$$