過去問一覧

Q1　(10 点)

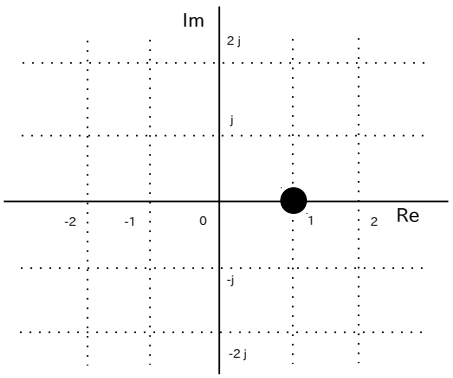
ID: text02/page01/001

時間領域アナログ複素信号

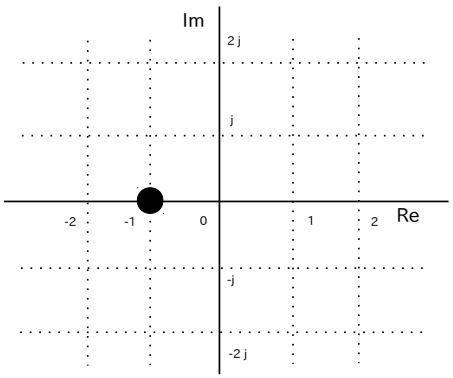
$$z(t) = t \cdot \mathrm{e}^{j \cdot \pi/2}$$

の $t = 1$ [秒] 地点の位置を選択肢 a〜d の中から 1 つ選びなさい。

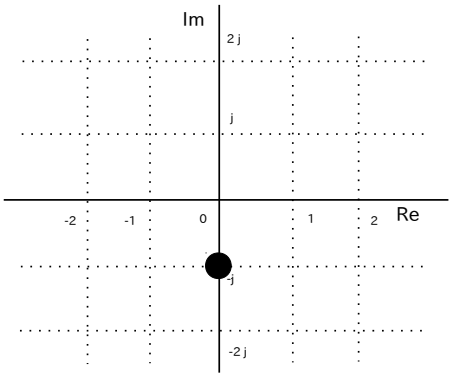
(a)



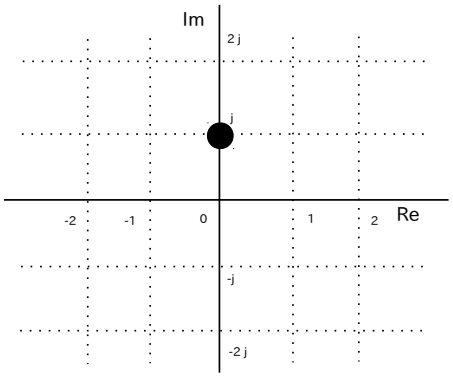
(b)



(c)



(d)



Q2　(10 点)

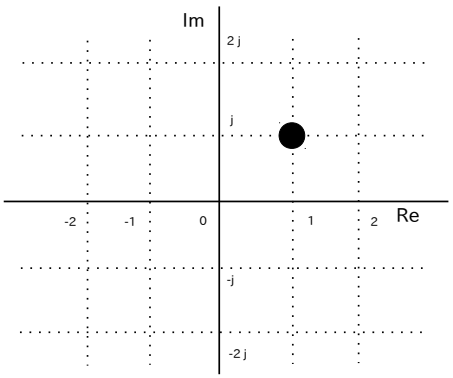
ID: text02/page01/002

時間領域アナログ複素信号

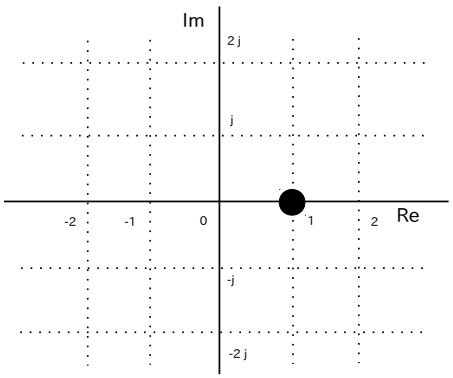
$$z(t) = t^2 \cdot \mathrm{e}^{j \cdot 0}$$

の $t = 1$ [秒] 地点の位置を選択肢 a〜d の中から 1 つ選びなさい。

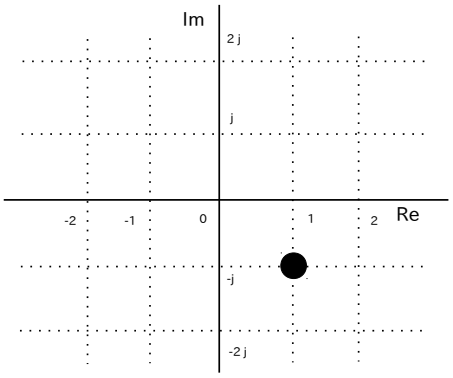
(a)



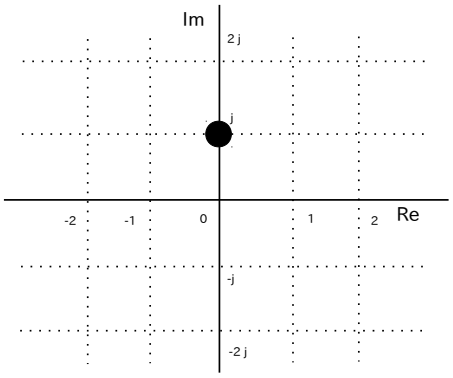
(b)



(c)



(d)



Q3　(10 点)

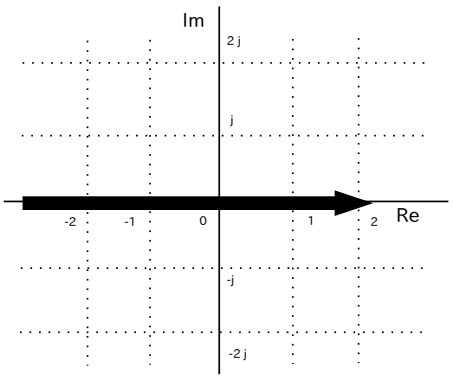
ID: text02/page01/003

時間領域アナログ複素信号

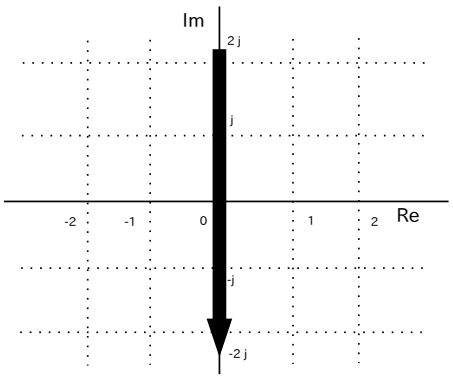
$$z(t) = \begin{cases} (-t) \cdot \mathrm{e}^{\{j \cdot \pi/2\}} & (t < 0) \\ t \cdot \mathrm{e}^{\{-j \cdot \pi/2\}} & (t \geq 0) \end{cases}$$

の動きを選択肢 a〜d の中から 1 つ選びなさい。

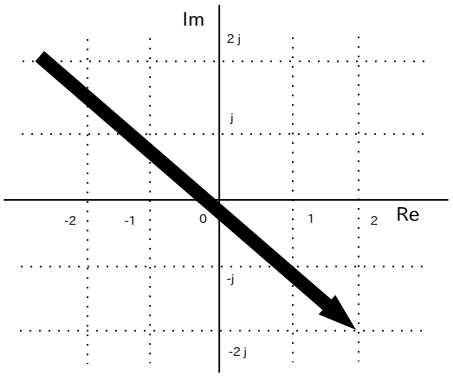
(a)



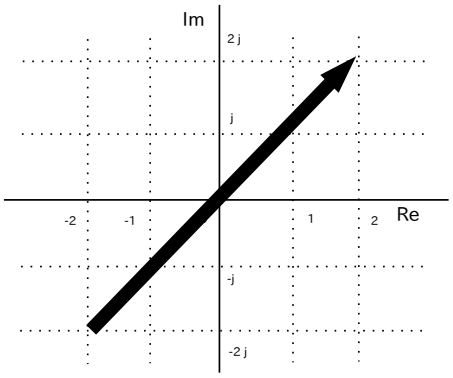
(b)



(c)



(d)



Q4　(10 点)

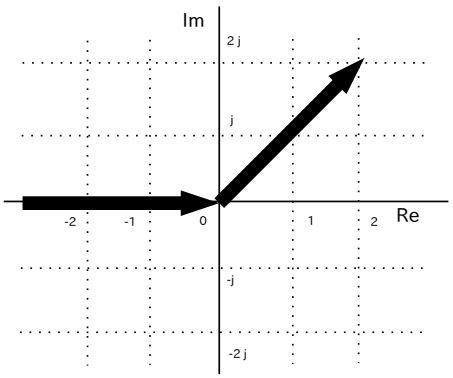
ID: text02/page01/004

時間領域アナログ複素信号

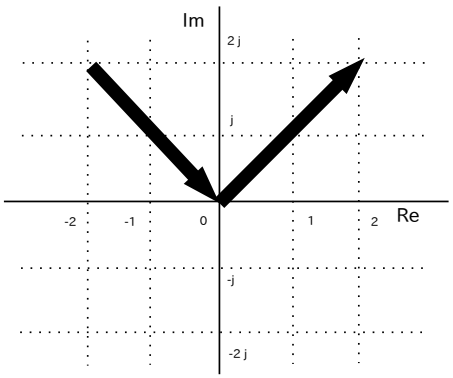
$$z(t) = \begin{cases} t^2 \cdot \mathrm{e}^{\{j \cdot 3\pi/4\}} & (t < 0) \\ t^2 \cdot \mathrm{e}^{\{-j \cdot 0\}} & (t \geq 0) \end{cases}$$

の動きを選択肢 a〜d の中から 1 つ選びなさい。

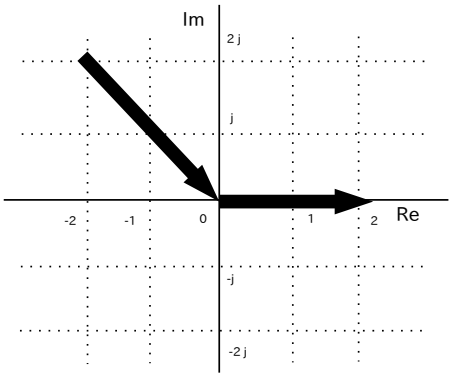
(a)



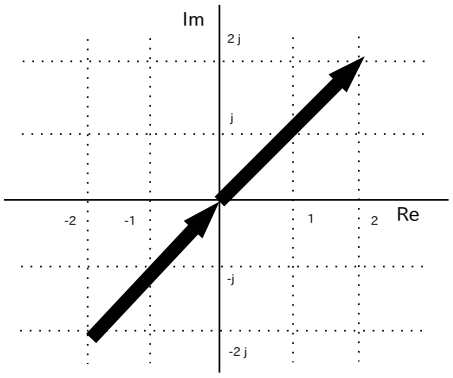
(b)



(c)



(d)



Q5　(10 点)

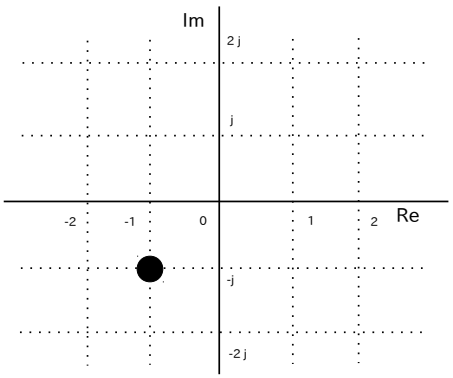
ID: text02/page01/005

時間領域複素信号

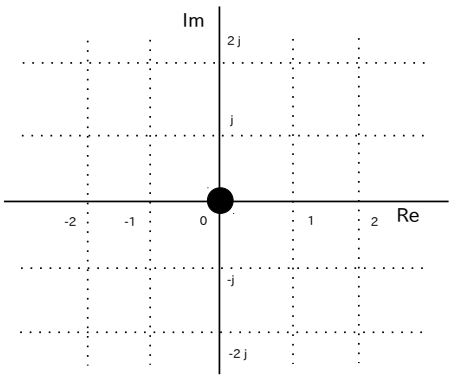
$$z(t) = \frac{t}{4} \cdot \mathrm{e}^{j \cdot \pi/4}$$

の $t = 4$ [秒] 地点の位置を選択肢 a〜d の中から 1 つ選びなさい。

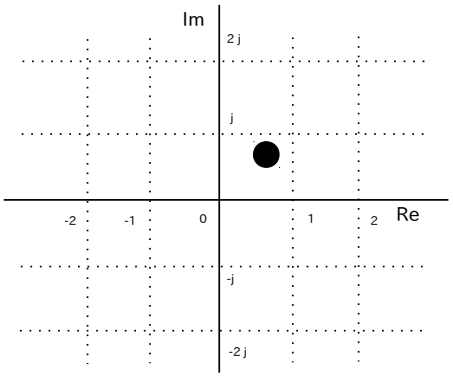
(a)



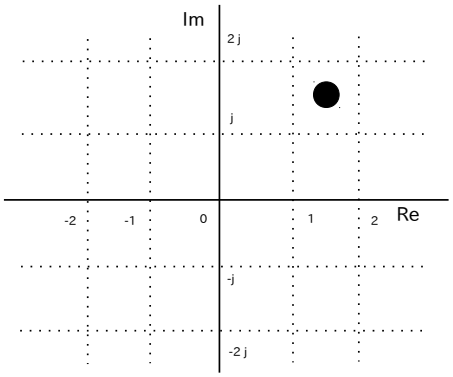
(b)



(c)



(d)



Q6　(10 点)

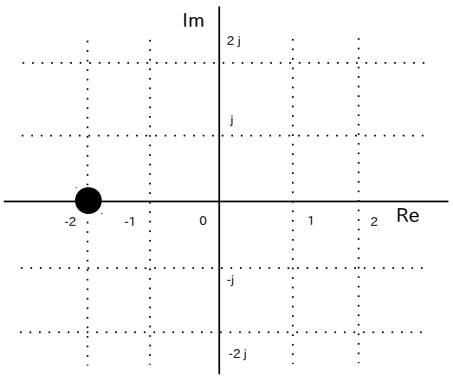
ID: text02/page01/006

時間領域複素信号

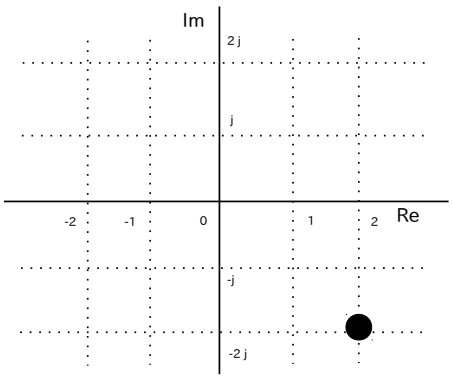
$$z(t) = t \cdot \mathrm{e}^{-j \cdot \pi/2 \cdot t}$$

の $t = 2$ [秒] 地点の位置を選択肢 a〜d の中から 1 つ選びなさい。

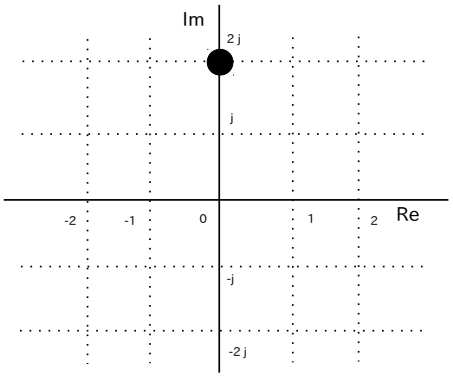
(a)



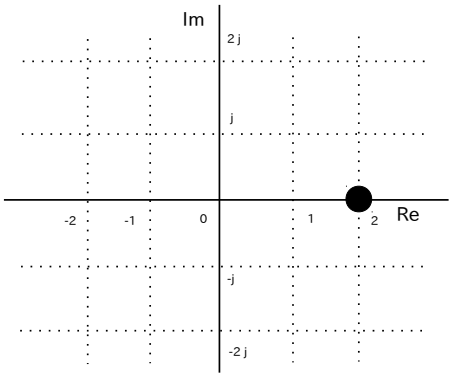
(b)



(c)



(d)



Q7　(10 点)

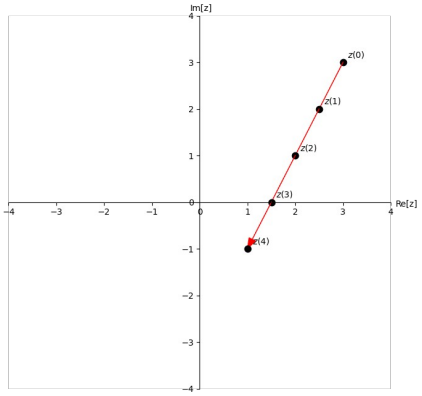
ID: text02/page01/007

$t \geq 0$ [秒] の範囲における時間領域複素信号

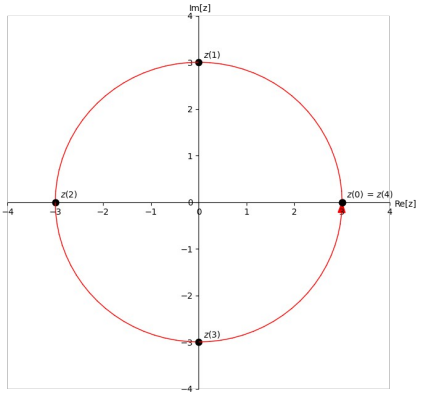
$$z(t) = t \cdot \mathrm{e}^{\{j \cdot \pi/2\}}$$

の動きを選択肢 a〜d の中から 1 つ選びなさい。

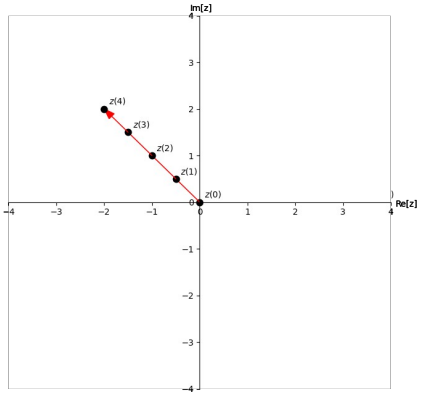
(a)



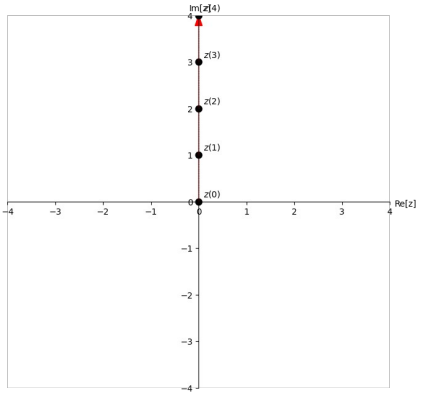
(b)



(c)



(d)



過去問一覧

Q8　(10 点)

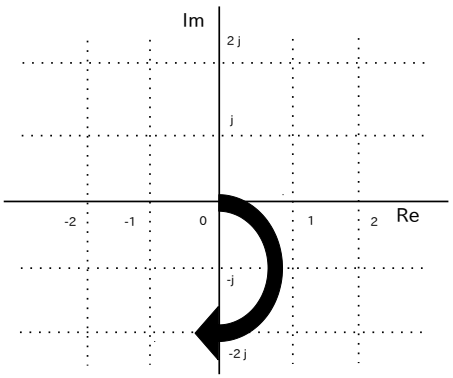
ID: text02/page01/008

$t > 0$ [秒] の範囲における時間領域複素信号

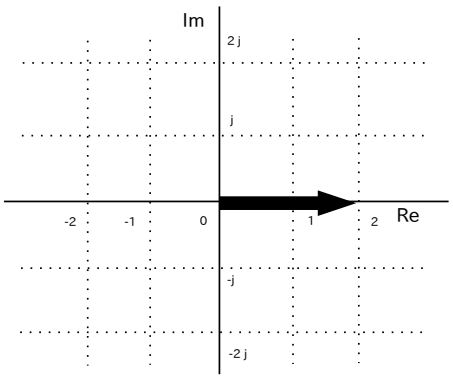
$$z(t) = \frac{t}{2} \cdot \mathrm{e}^{\{-j \cdot \pi/8 \cdot t\}}$$

の動きを選択肢 a〜d の中から 1 つ選びなさい。

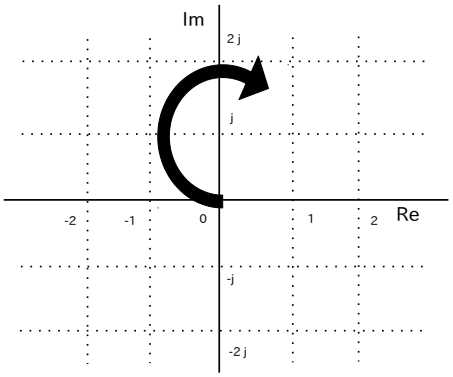
(a)



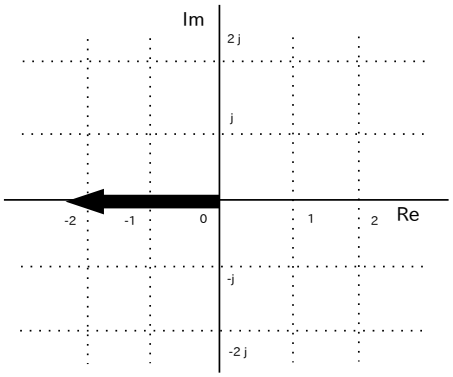
(b)



(c)



(d)



Q9　(10 点)

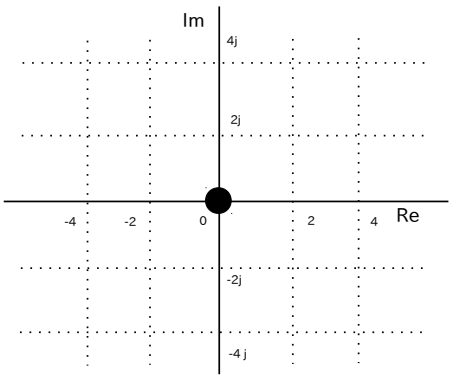
ID: text02/page01/009

時間領域複素信号

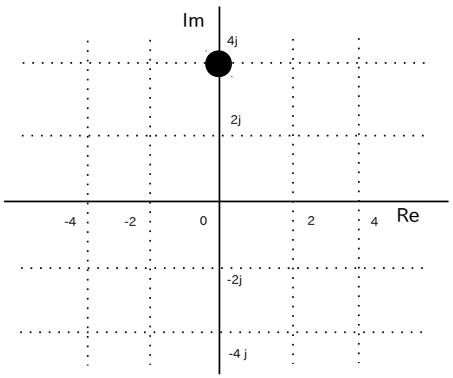
$$z(t) = t^2 \cdot \mathrm{e}^{-j \cdot 0}$$

の $t = -2$ [秒] 地点の位置を選択肢 a〜d の中から 1 つ選びなさい。

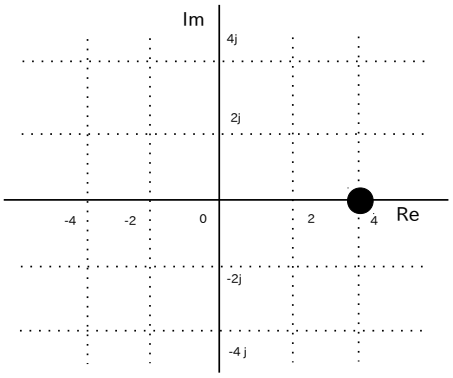
(a)



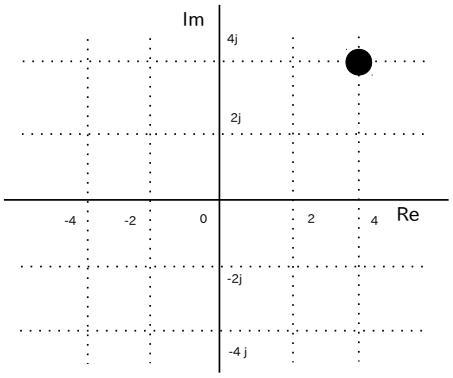
(b)



(c)



(d)



Q10　(10 点)

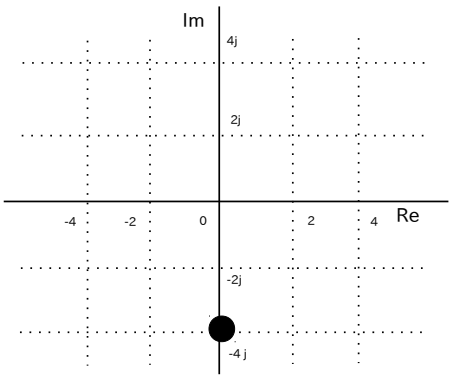
ID: text02/page01/010

時間領域複素信号

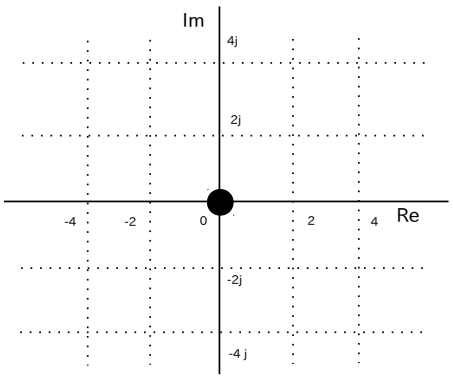
$$z(t) = 2 \cdot t \cdot \mathrm{e}^{j \cdot \pi/2 \cdot t}$$

の $t = 1$ [秒] 地点の位置を選択肢 a〜d の中から 1 つ選びなさい。

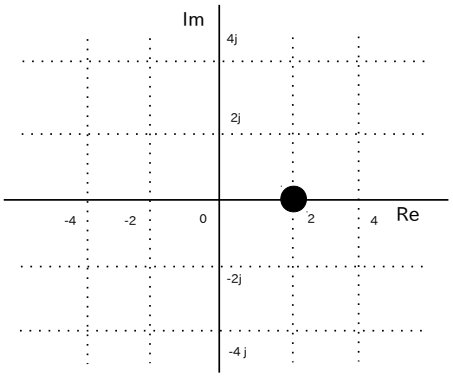
(a)



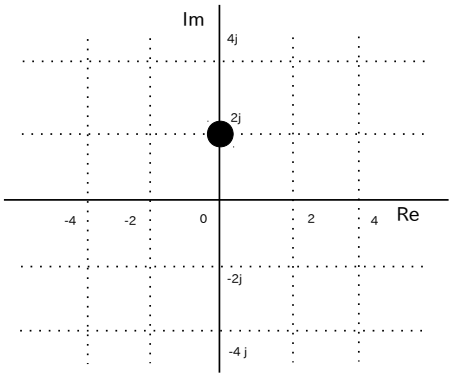
(b)



(c)



(d)



Q11　(10 点)

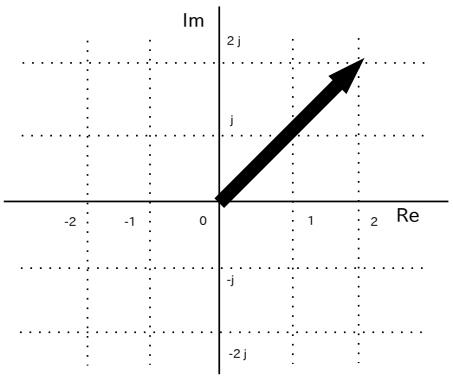
ID: text02/page01/011

$t > 0$ [秒] の範囲における時間領域複素信号

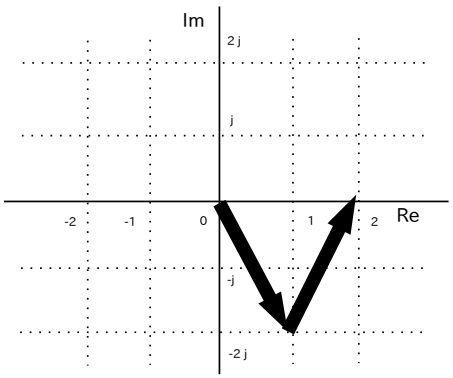
$$z(t) = t^3 \cdot \mathrm{e}^{\{j \cdot \pi/4\}}$$

の動きを選択肢 a〜d の中から 1 つ選びなさい。

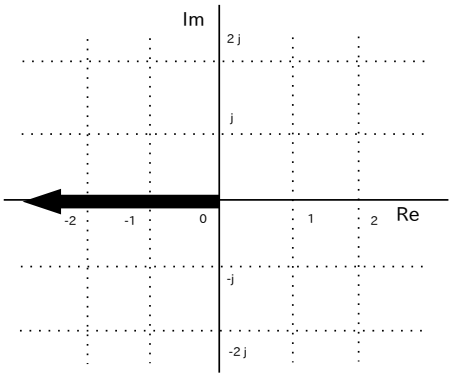
(a)



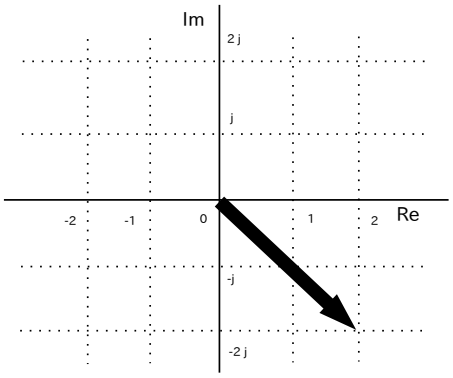
(b)



(c)



(d)



Q12　(10 点)

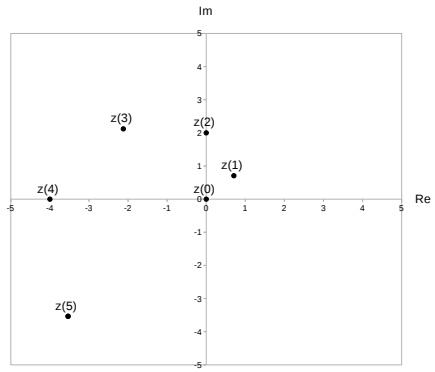
ID: text02/page01/012

$t > 0$ [秒] の範囲における時間領域複素信号

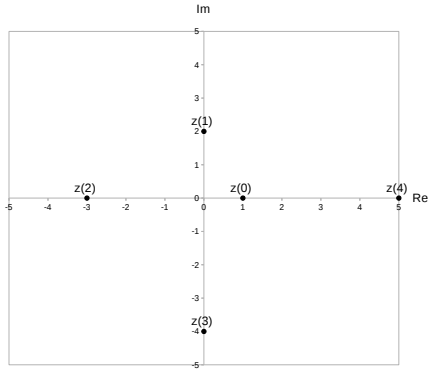
$$z(t) = (t+1) \cdot \mathrm{e}^{\{j \cdot \pi/2 \cdot t\}}$$

の動きを選択肢 a〜d の中から 1 つ選びなさい。

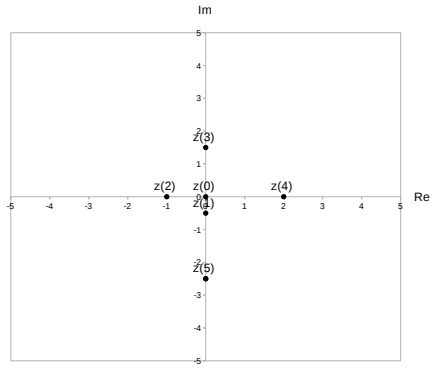
(a)



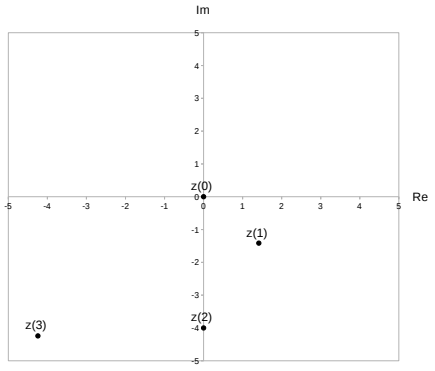
(b)



(c)



(d)



Q13　(10 点)

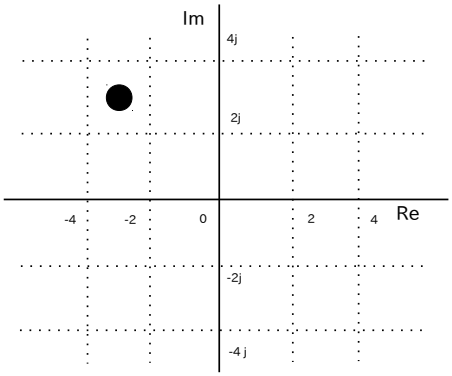
ID: text02/page01/013

時間領域複素信号

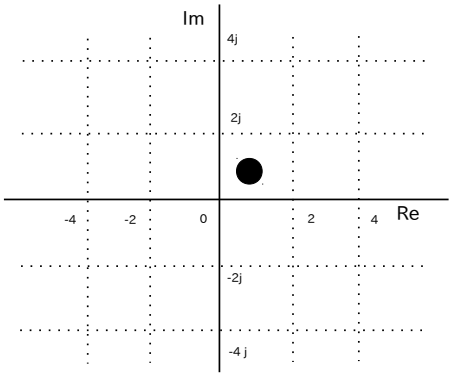
$$z(t) = \mathrm{e}^{j \cdot \frac{\pi}{4}}$$

の $t = 4$ [秒] 地点の位置を選択肢 a〜d の中から 1 つ選びなさい。

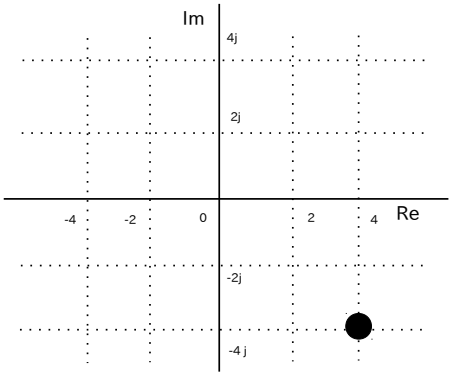
(a)



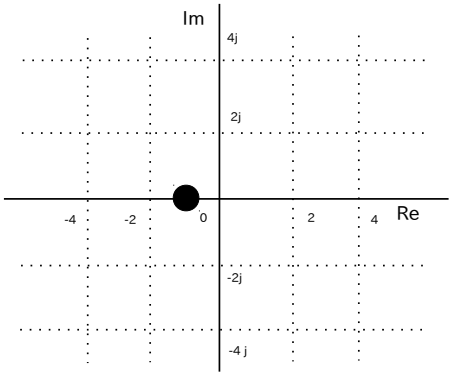
(b)



(c)



(d)



Q14　(10 点)

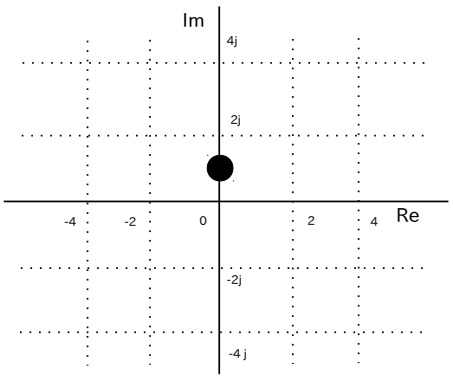
ID: text02/page01/014

時間領域複素信号

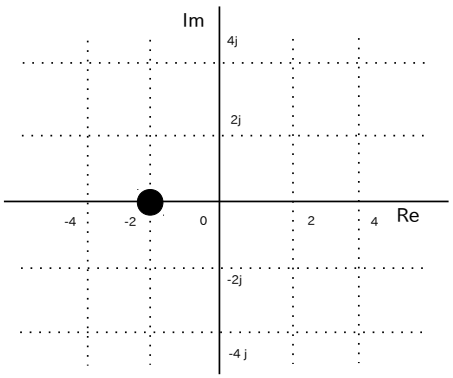
$$z(t) = \mathrm{e}^{j \cdot \frac{\pi}{4} \cdot t}$$

の $t = 2$ [秒] 地点の位置を選択肢 a〜d の中から 1 つ選びなさい。

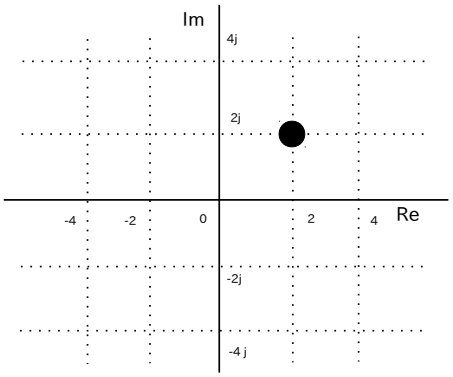
(a)



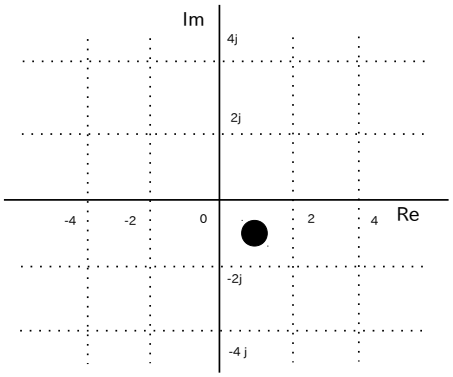
(b)



(c)



(d)



Q15　(10 点)

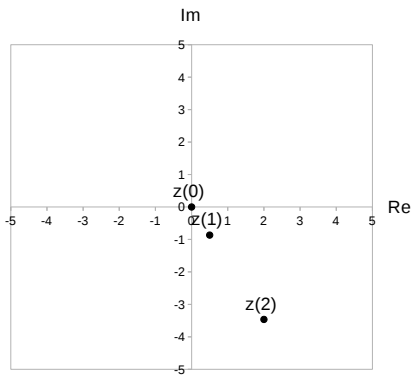
ID: text02/page01/015

$t > 0$ [秒] の範囲における時間領域複素信号

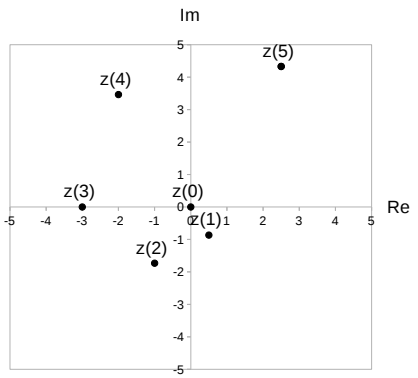
$$z(t) = t \cdot \mathrm{e}^{\{j \cdot \frac{\pi}{3}\}}$$

の動きを選択肢 a〜d の中から 1 つ選びなさい。

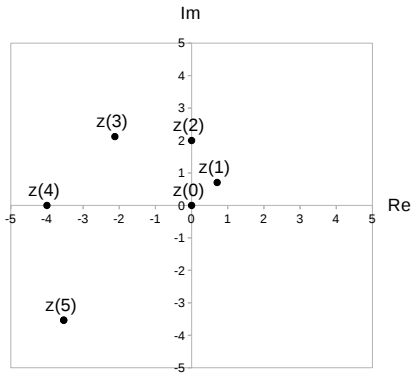
(a)



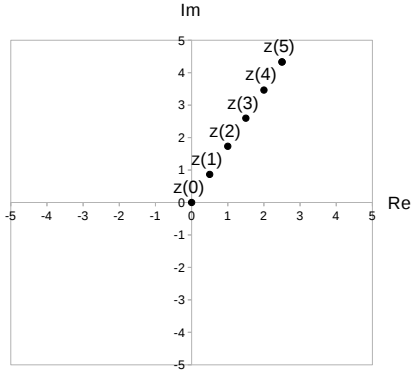
(b)



(c)



(d)



Q16　(10 点)

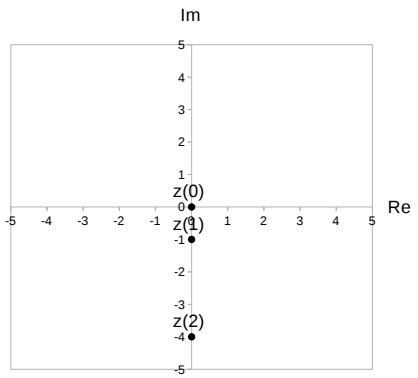
ID: text02/page01/016

$t > 0$ [秒] の範囲における時間領域複素信号

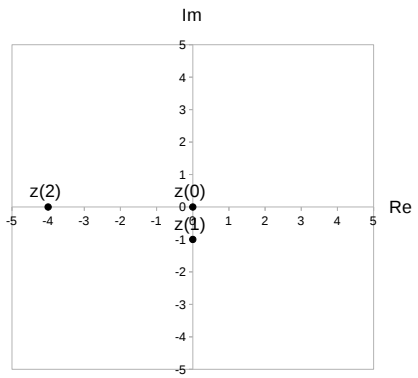
$$z(t) = t^2 \cdot \mathrm{e}^{\{-j \cdot \frac{\pi}{2} \cdot t\}}$$

の動きを選択肢 a〜d の中から 1 つ選びなさい。

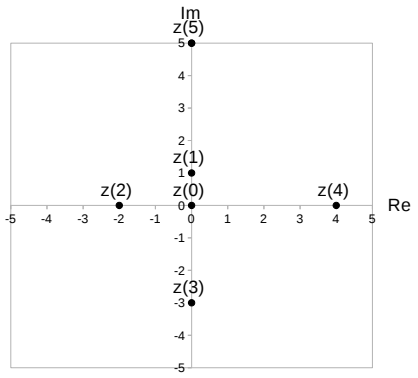
(a)



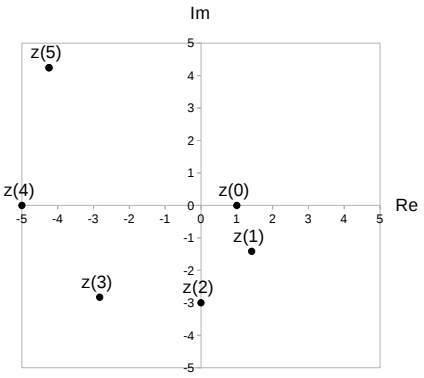
(b)



(c)



(d)



Q17　(10 点)

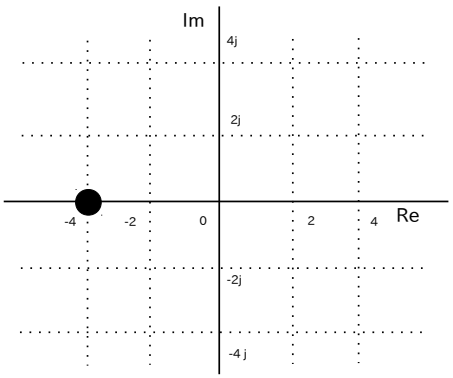
ID: text02/page01/017

時間領域複素信号

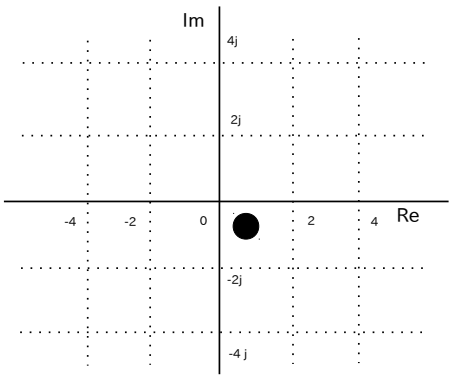
$$z(t) = \frac{t}{3} \cdot \mathrm{e}^{-j \cdot \frac{\pi}{4}}$$

の $t = 3$ [秒] 地点の位置を選択肢 a〜d の中から 1 つ選びなさい。

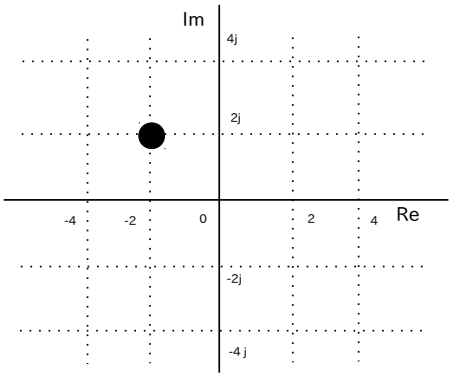
(a)



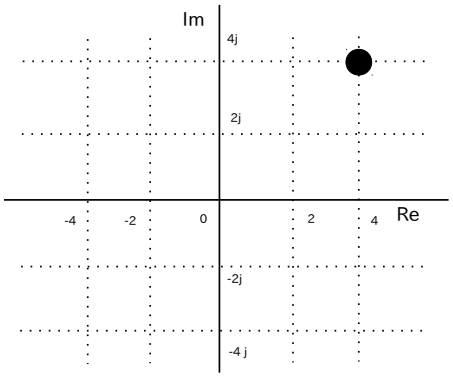
(b)



(c)



(d)



過去問一覧

Q18　(10 点)

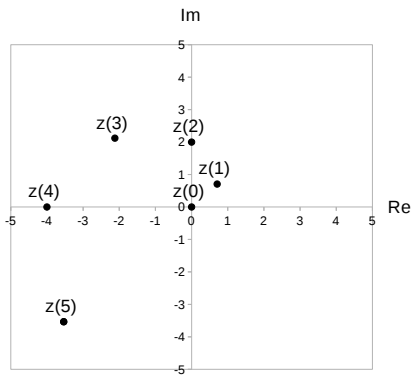
ID: text02/page01/018

$t > 0$ [秒] の範囲における時間領域複素信号

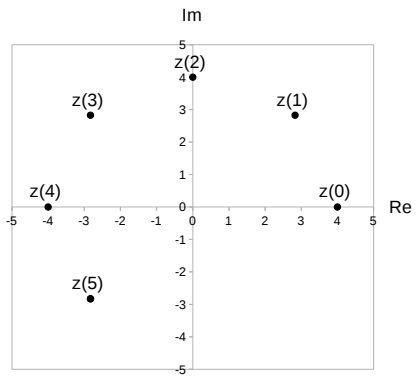
$$z(t) = t \cdot \mathrm{e}^{\{j \cdot \frac{\pi}{4} \cdot t\}}$$

の動きを選択肢 a〜d の中から 1 つ選びなさい。

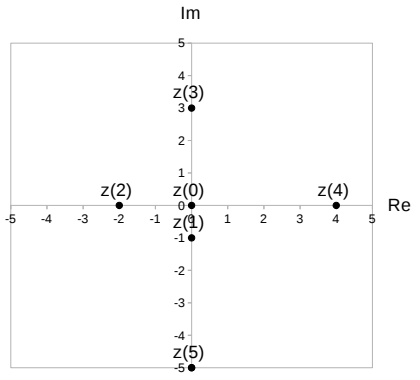
(a)



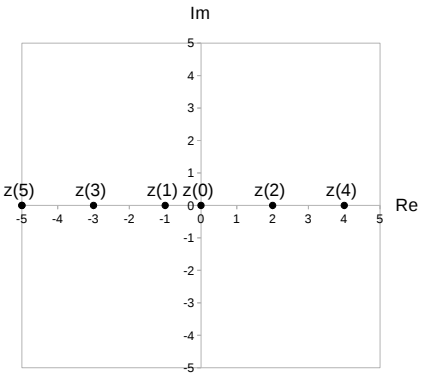
(b)



(c)



(d)



過去問一覧

Q19　(10 点)

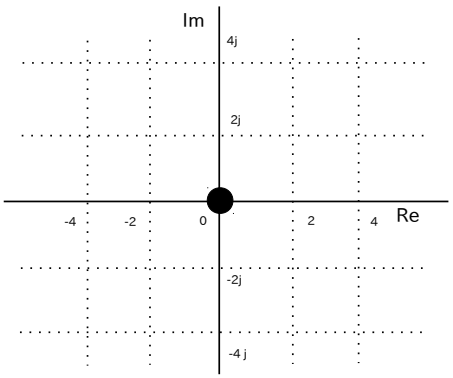
ID: text02/page01/019

時間領域複素信号

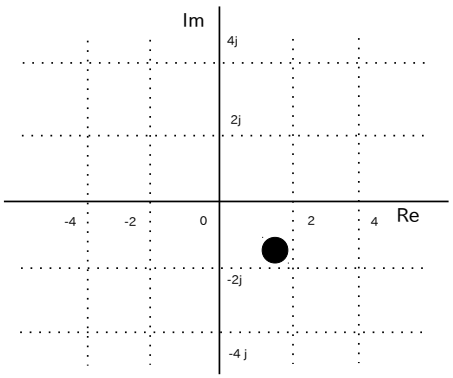
$$z(t) = 2 \cdot \mathrm{e}^{-j \cdot \frac{\pi}{4}}$$

の $t = 1$ [秒] 地点の位置を選択肢 a〜d の中から 1 つ選びなさい。

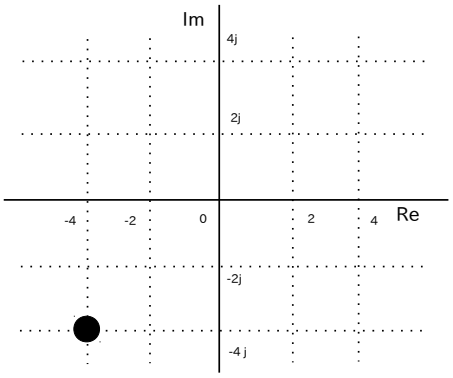
(a)



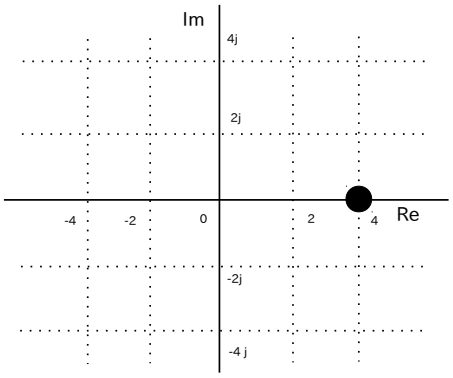
(b)



(c)



(d)



Q20　(10 点)

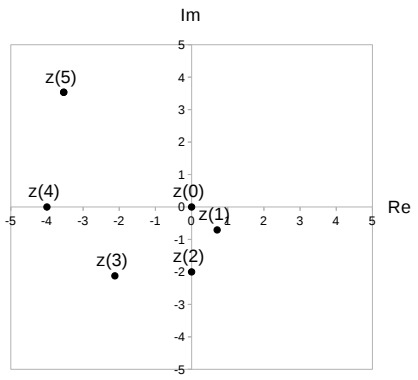
ID: text02/page01/020

$t > 0$ [秒] の範囲における時間領域複素信号

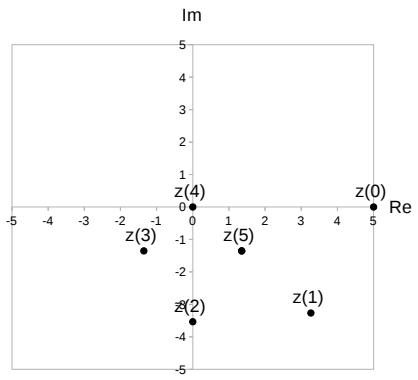
$$z(t) = 5 \cdot \cos(\pi/8 \cdot t) \cdot \mathrm{e}^{\{-j \cdot \frac{\pi}{4} \cdot t\}}$$

の動きを選択肢 a〜d の中から 1 つ選びなさい。

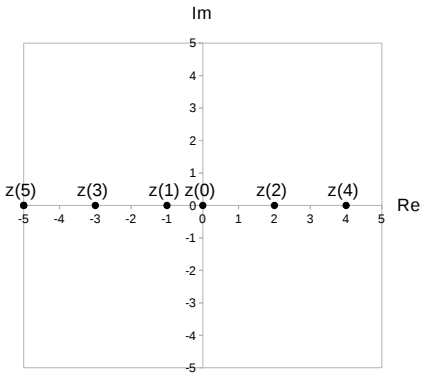
(a)



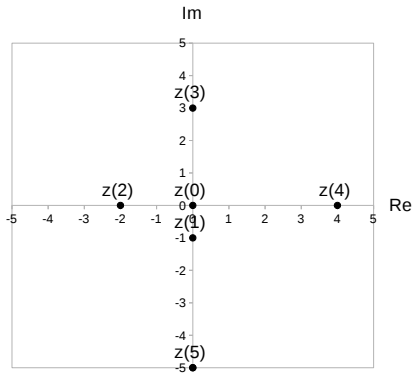
(b)



(c)



(d)



Q21　(10 点)

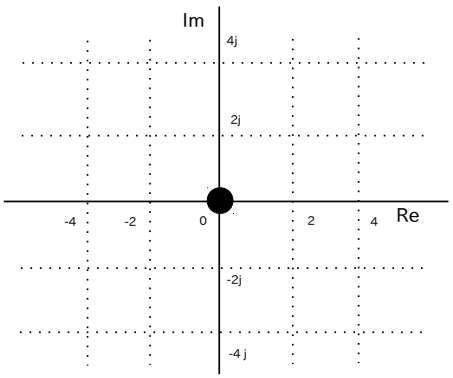
ID: text02/page01/021

時間領域複素信号

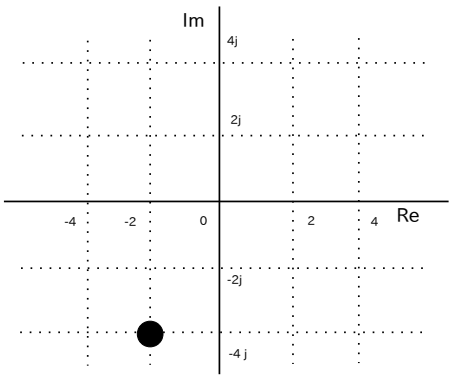
$$z(t) = \sin(\pi \cdot t) \cdot \mathrm{e}^{j \cdot \frac{\pi}{2}}$$

の $t = 0.5$ [秒] 地点の位置を選択肢 a〜d の中から 1 つ選びなさい。

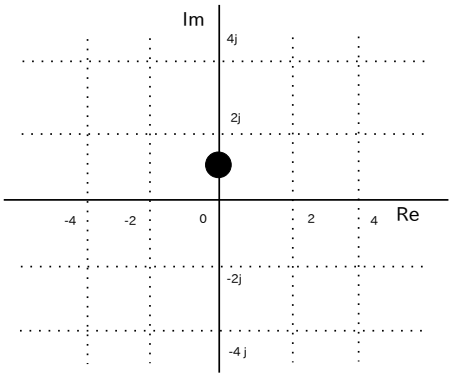
(a)



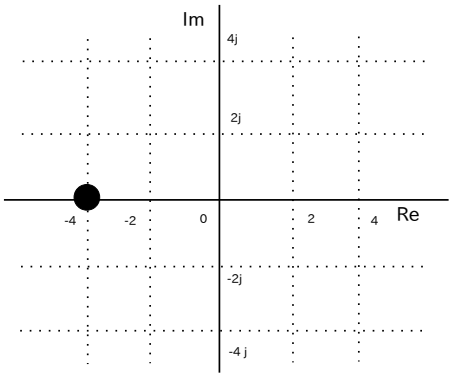
(b)



(c)



(d)



Q22　(10 点)

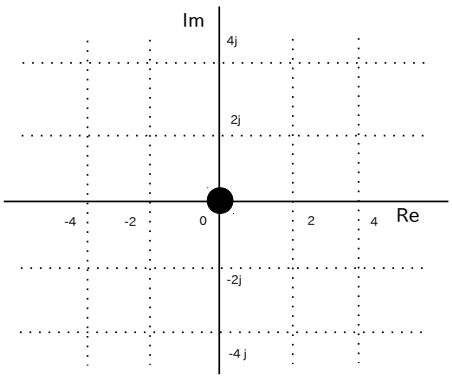
ID: text02/page01/022

時間領域複素信号

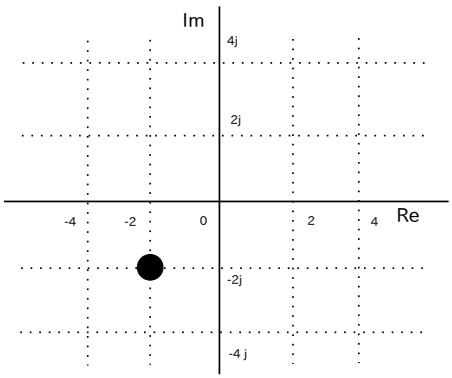
$$z(t) = t + j \cdot t$$

の $t = 2$ [秒] 地点の位置を選択肢 a〜d の中から 1 つ選びなさい。

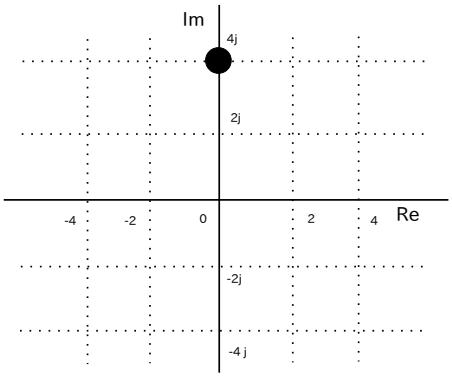
(a)



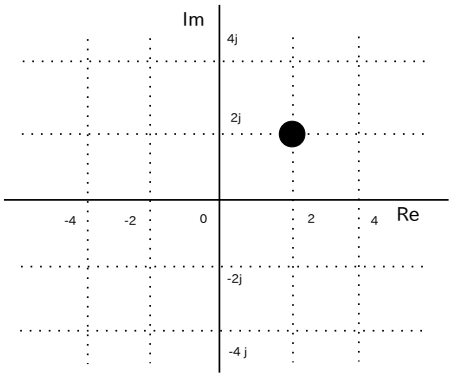
(b)



(c)



(d)



Q23　(10 点)

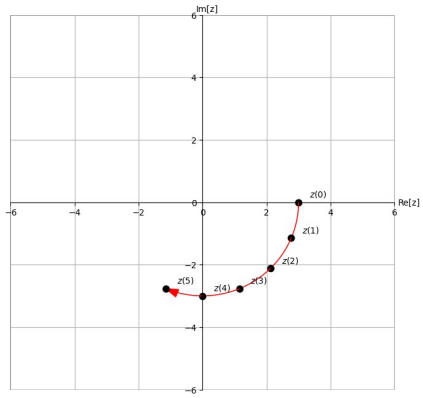
ID: text02/page01/023

$0 \leq t \leq 5$ [秒] の範囲における時間領域複素信号

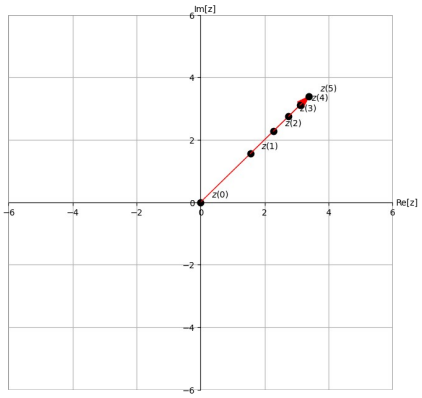
$$z(t) = t \cdot \mathrm{e}^{\{j \cdot \frac{\pi}{2} \cdot t\}}$$

の複素平面内での動きを選択肢 a〜d の中から 1 つ選びなさい。

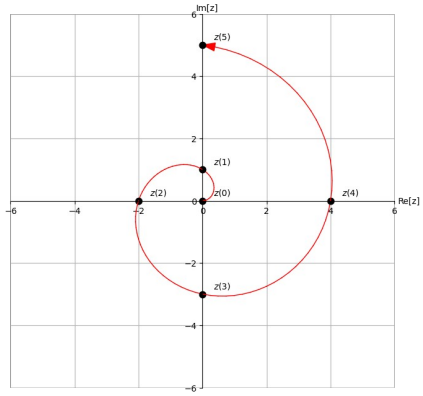
(a)



(b)



(c)



(d)