

G427

A

2097-1737(2023)12-0032-03

[1]

[3]

“

A

10% ”

“

” “ ”

[4]

[2]

“

”

y

“

1

0 90

2

30 km

0

0 3

20 km/h 30 km/h

30

3

4

6

18

1

”

“



”

“

”

“

”

“

”“

”“

”

1

20 km

2

4

120 = 20

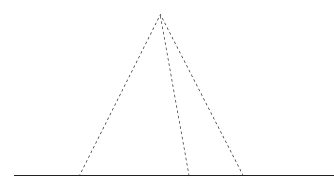


图1

“

”

— — — — —

$$\begin{aligned}
 &= \frac{\pi}{3} \\
 &= \frac{10\sqrt{3}}{\sin \alpha} = \frac{20 \sin(\frac{2\pi}{3} - \alpha)}{\sin \alpha} \\
 &= 20 \frac{20 \sin(\frac{2\pi}{3} - \alpha)}{\sin \alpha} \\
 &40 + 80 + 120 = 400\sqrt{3} \frac{3 - \cos \alpha}{\sin \alpha} + \sqrt{3} \quad a \in \frac{\pi}{3}
 \end{aligned}$$



$$\frac{2\pi}{3}$$

$$\sin = \frac{2\sqrt{2}}{3}$$

$$= 10 + \frac{5\sqrt{6}}{2}$$

“ ”

“ ”

1

“ ” “ ”

2

“ ”

3

1

$$\frac{30}{20} \times 60 = 90 \quad \frac{30}{30}$$

$$\times 60 = 60$$

$$i = \frac{30}{20} \times 60 = \frac{90}{2}$$

$$z = \frac{30}{30(18)} \times 60 = \frac{60}{18} \quad 2$$

$$|z| = \frac{60}{18} \quad 1+2 \quad 3$$

$$1 \leq |z| \leq 17$$

∈ \*

$$= |z| = \frac{90}{18} = \frac{60}{18} \leq 1 \quad 1 \leq |z| \leq 17$$

∈ \*)... 1

$$(z) = \frac{90}{18} + \frac{60}{18} = \frac{1620}{18} \frac{30}{z} \quad (1 \leq |z| \leq 17)$$

∈ \*)... 2

1

$$z^2 + 132z - 1620 \leq 0$$

$$z^2 - 168z + 1620 \leq 0$$

$$= 11$$

$$11 \quad 7$$

$$2$$

$$= 10$$

10

8

[1]

. [J].  
, 2022(16): 56- 58

[2]

. [J].  
, 2022(15): 52- 53

[3]

. [J].  
, 2022(03): 76- 77.

[4]

. [J].  
, 2022(05): 42- 44

