Soil Mechanics Test

09911771

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8

0.5

5

1	4.　　　:	4.2
2	5.　　　　:	5.1

		1 2	1			
		1 2	1			
		1 2	2			
		1 2	2			
		1 2	2			
		8				

						/
			1		20	
			1		20	
			2		20	
		e-p　　　e-lg$p$	2		20	
		-	2		20	

105℃-110℃　　　　0.01g

1 2 3

$_1$=20% $_2$ =20% $_3$ =60%   100

1

61.8 mm   20 mm   0.01 g

1   2   3

$_1$ = 20 % $_2$ = 20 % $_3$ = 60 %

100   2

1.
2.
3.

1.
2.
3.

76g   30°

105℃-110℃   0.01g

1 2 3

$_1 = 20\ \%$ $_2 = 20\ \%$ $_3 = 60\ \%$

100   3

1.

2.
3.

1.
2.
3.

30 cm²   105°C-110°C

0.01 g   61.8 mm   20 mm

1 2 3

$_1 = 20\ \%$ $_2 = 20\ \%$ $_3 = 60\ \%$

100   4

1.
2.
3.

1.
2.
3.

61.8mm   20mm

5-10mm   0.01mm   0.01g   61.8mm   20mm

$_1$ $_2$ $_3$

$_1 = 20\,\%$ $_2 = 20\,\%$ $_3 = 60\,\%$

100    $_5$

5    $_1 = 15\,\%$ $_2 =$

15\,\% $_3 = 20\,\%$ $_4 = 25\,\%$ $_5 = 25\,\%$

100\,\%　$=$ $_1 +$ $_2 +$ $_3 +$

$_4 +$ $_5$

$_1$ 100   4

1 0.5 0
0

1 0.5 0
0

$$= \frac{}{}$$

$$=$$

i   i

1	0.5		1-1=50	1-1	$S_1 = \dfrac{b_1 A_{1-1} + b_2 A_{1-2} + b_3 A_{1-3} + b_4 A_{1-4} + b_5 A_{1-5}}{b_1 OA_{1-1} + b_2 OA_{1-2} + b_3 OA_{1-3} + b_4 OA_{1-4} + b_5 OA_{1-5}}$
			1-2=50	1-2	
			1-3=50	1-3	
			1-4=50	1-4	
			1-5=50	1-5	

2-1=50   2-1

2   0.5

[M]. Hoboken: John Wiley & Sons, Inc., 1996.

[4]   Knappett J A, Craig R F. Craig's soil mechanics (9th edition) [M] Abingdon: Spon
      Press, 2019.

1.

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