Lab 04 Micrometer Caliper

1     5.0     7     37.4     7 + \frac{37.4}{100} - \frac{5.0}{100}       2     3     3     3       1     2     3       3     2     3       3     2     3       4     2     3       3     3     3       5     2     3       3     3     3       6     2     3       3     3     3       1     3     3       6     2     3       3     3     3       1     1     3       2     3     3       3     3     3       4     1     4       2     3     3       3     3     3       4     1     4       2     3     3       3     4     4       4     2     4       3     3     4       4     4     4       5     2     4       3     4     4       4     4     4       5     2     4       3     4     4       4     4     4       5     2	coins	No	Zero ±c		round ruler b	ν= <i>U</i> (c-b)	$x_i = a + \frac{b}{100} - \frac{b}{100}$	$\frac{c}{100}$	a.m. $t_i = \sum x_i/3$	a.m. Σt <sub>i</sub> /9	d <sub>i</sub> mm	$s = \sqrt{\frac{\sum_{i=1}^{n} d_i^2}{N - 1}}$	$error = \frac{s}{\sqrt{N}}$ $mm$	
2	1	1	5.0	7	37.4		$7 + \frac{37.4}{100} - \frac{5.0}{100}$	-						
1														
2														
3														
1														
3     2       3     1       4     2       3     0       5     2       3     0       1     0       6     2       3     0       1     0       7     2       3     0       1     0       7     2       3     0       1     0       8     2														
3														
1														
3	4	1												
1		2												
5     2       3     observation a.m.±error(mm)       6     2       3     1       7     2       3     1       1     1       8     2		3												
3	5	1												
1		2												
6     2       3     1       7     2       3     1       8     2		3												
3       1       7       2       3       1       8       2	6	1										a.m.±error(mm)		
1       7       2       3       1       8       2		2												
7 2 3 3 1 8 2 1 8 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3												
3 1 8 2 8 2 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	7	1												
8 2														
8 2														
	8													
	9													

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$$\chi_{\text{max}} = \underline{\qquad \qquad } \text{mm} , \ \chi_{\text{min}} = \underline{\qquad \qquad } \text{mm}$$

$$S = \chi_{\text{max}} - \chi_{\text{min}} = \underline{\qquad \qquad } \text{mm} , \ \frac{S}{5} = \underline{\qquad \qquad } \text{mm}$$

No		count(正)	count		
1	$\chi_{\min} + 0.0S \sim \chi_{\min} + 0.2S$ :	mm~	mm		
2	$\chi_{\min} + 0.2S \sim \chi_{\min} + 0.4S$ :	mm~	mm		
3	$\chi_{\min} + 0.4S \sim \chi_{\min} + 0.6S$	mm~	mm		
4	$\chi_{\min} + 0.6S \sim \chi_{\min} + 0.8S$ :	mm~	mm		
5	$\chi_{\min} + 0.8S \sim \chi_{\min} + 1.0S$ :	mm~	mm		

## Count

