姓名杨软	学号 23000 1	1403	星期	第	组	页码
一、数据及处理						
	4 39	22/11-	0.00	1 1, 1/2		
1、艾振 频率的测量结果	V V					
2、 放值法 温度 (9 = 25.5°C	TEV3EL P=	= 1.01666	x10) fo		
输入电压辐值 40						
缩小回距,测放正弦;	古板幅散大值	二位置及对友	的路峰值由	er e		
1 2		4 5	6 7	8	9	0
71/mm 60.640 58.14	2 50.200 46	.072 41.598	36.850 32.0	89 27.526	23.577	9.000
Vi/V 0.580 0.65	2 0.708 0.7	88 0.952	1.08 1.3	4 1.52	1.79 =	1.26
增大换能器间距						
1 1 2	3	4 5	6 7	8	9	10
xi/mm 19.017 23.31	61 27.865 32	.022 36.710	41.165 46.0	147 50.218	56.138 6	0-252
Vi'/V 2-26 1-90	1.66 1.	46 1.13	0.992 0.86	9 0.824	0.696 0	608
x;/mm 19.0085 23.469						
X;+5-X;/MP 22-7 30 22-59	136 74	1745 77 (410			10.00	
71+5-X1/MP	3 22.66.5		0.0	24		
$\langle S \times \frac{1}{2} \rangle = z_3 \cdot \sqrt{o_5} n$						
$\Rightarrow \lambda = 9.23 \text{mm}$		on = = = 5 To	A+0B2 = 0.1	4 mm		
$v = \lambda - f_0 =$	360.71 m/s	$\sigma_{V} = 1$	U V (5x)2+ (5t)	1 = 6	m/s	
· v= (361 ±						
3.相位法 温度 0=	25.50	压强 P=	,01666×10	5 Pa		
增大限配						
	2 3	4 5		7 8	9	10
xi/mm 17.060 Zb	.558 35.664	44.660 53.56	54 62.51S 71	.469 80.45	2 89.22	98.38
编版面距						
1/ /	2 3	4 5	. 6	7 8	19	10
×1'/mm 98.329 8	9.201 80560		\$15 53.569 4	V 100 201	1 1 000	

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	1 2 3 4 5 6 7 8 9 10
	xi/mm 17.0675 26.6540 35.6550 44.6550 53.5665 625150 71.557- 805060 89.2150 98.7595
	xi+5-xi/mm 45.4475 44.9530 44.8510 44.5600 44.7875
	$\langle x_{1+5} - \overline{x_i} \rangle = \langle y, 9, 9, 8 \text{ mm} \rangle \sigma_{\theta} = 0.15 \text{ mm} \sigma_{\theta} = \frac{0.004 \text{ mm}}{\sqrt{3}}$
	$\Rightarrow \lambda = 8.98 \text{mm} \qquad \delta_{\lambda} = \frac{1}{5} \sqrt{\sigma_{A}^{2} + \sigma_{B}^{2}} = 0.03 \text{mm}$
	U= > 1. = 350.74 m/s
	· v = (350.9 ± 12 1m/s
	上面的逐首法处理所得,下面将使用最小二本法进行处理
	$x_1 = \lambda + \infty \Rightarrow \lambda = 8.9935 \text{ mm}$, $x_0 = 3.4947$
	r=099976
	$\frac{\sigma_{21}}{\lambda} = \frac{11/r^2 - 1}{10 - 2} = 0.0025$ Name
	5) = 0.023 mm
	$\sigma_{12} = \frac{\sigma_{x_i}}{\sum_{i=1}^{10} (i-s.S)^2} = 0.0025 \text{mm}$
	5 = (52 mm
-	=>=(8.994±0.023)mm
	V= > = 351.48 m/s
	$\sigma_{V} = v \cdot \left(\underbrace{\sigma}_{V} \right)^{2} \cdot \underbrace{\sigma_{V}}_{V} = 0.9 \text{ m/s}$
	· V = (351.5 to.9) m/s
	4. 气体参量派
	温度 0= 25·5°C
	P= (3361.3 - 3167.6 (0-25) + 3167.6) P= = 3264 45 Pa
	$P_{s} = \begin{pmatrix} \frac{3361 \cdot 3}{26 - 25} - \frac{3167 \cdot 6}{26 - 25} & (0 - 25) + \frac{3167 \cdot 6}{26 - 25} & 0 = \frac{3361 \cdot 3}{26 - 25} & 0 = \frac{3167 \cdot 6}{26 - 25} & 0 = 3167$
	相对温度: 干湿动湿度器: H=54%, 家用湿度器: H=58%. H= 56% ± 4%. 无强: 保护管上湿度计像数 t = 25°C, Te = 1°C 不银柱高度得化器: P1 = 766. 25mm Hg, Tp1 = 0.05mm Hg 温度低度: R=25°C, Te = 1°C 18600 1873 - 0.05mm Hg
	H= 56% ± 4%
	水银柱高度得化强: P1=766. 25mm Hg. 5p1=0.05mm Hg
	12 - 12 - 10 - 10 - 10 - 10 - 10 - 10 -
	重力加速在132: 北京地区重力加速度 9=9.8015 m/s2
	P= 9, [1-(0.000182-1.00x10-5)+]=762.55mm Hg=101665.6Po
	$\sigma_{P} = P \cdot \left[\left(\frac{\sigma_{P}}{\rho_{1}} \right)^{2} + \left(\frac{(0.000)3^{2} - (0.000)3^{2} - (0.000) (0.00)}{1 - (0.000)3^{2} - (0.000) (0.00)} \right)^{2} \right]^{1/2} = 10.8 $
	- P = (1.01666 ± 0.00011) x105 Pa
	为方便计算不确定度,记入4=(+0) 3=1+0.319=118





