1. 等温过程

体积	压强/kpa					
	1	2	3	4	5	平均
40	104.6	104.5	104.8	104.4	104.2	104.5
20	183.1	173.8	180.5	182.1	181.5	180.2

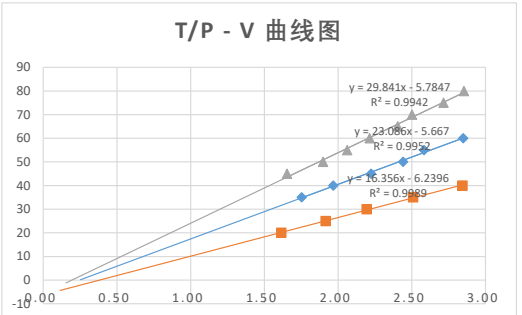
v0	7.6089828	ml

2.变温过程

t/celcius	v/ml	p/kpa					
		1	2	3	4	5	平均
23.8	47.608983	104.6	104.5	104.5	104.6	104.5	104.5
32.6	27.608983	192.9	194.4	191.0	191.8	193.4	192.7

T1	296.95	c1	16.760542
T2	305.75	c2	17.400657

Er	0.0381918



60ml数据表

v/ml	p/kpa	t/celcius	T/k	p (10^-3) k/pa
60	104.5	24.6	297.8	2.85
55	116.0	26.5	299.7	2.58
50	123.1	27.3	300.5	2.44
45	135.9	29.1	302.3	2.22
40	154.9	31.7	304.9	1.97
35	175.0	33.6	306.8	1.75

40ml数据表

v/ml	p/kpa	t/celcius	T/k	p (10^-3) k/pa
40	104.5	24.1	297.3	2.84
35	119.3	26.2	299.4	2.51
30	137.5	28.6	301.8	2.19
25	159.2	31.8	305.0	1.92
20	190.3	34.1	307.3	1.61

80ml数据表

v/ml	p/kpa	t/celcius	T/k	p (10^-3) k/pa
80	104.5	25.1	298.3	2.85
75	110.1	25.9	299.1	2.72
70	119.8	26.5	299.7	2.50
65	124.8	27.0	300.2	2.41
60	136.1	28.3	301.5	2.21
55	146.3	28.5	301.7	2.06
50	159.2	29.1	302.3	1.90
45	183.7	30.8	304.0	1.65

空气比热容比

次数	1	2	3	4	5	平均
周期/s	30.03	30.04	30.03	30.04	30.04	30.04

v	2680	cm^3
m	11.1	g
d	14	mm
p0	101000	pa
p	101706.6479	
gamma0	1.402	

gamma	1.3503056
Er	0.0368719