

Best Estimate of Shear Modulus G of Aluminium 6061(in GPa)					
Cycle	Group 1	Group 2	Group 3	Group 4	Group 5
1	15.4056	18.9808	20.5471	16.2815	13.6024
2	23.1932	16.2989	20.9568	15.3368	14.5182
3	14.4278	18.0067	19.1010	23.6965	15.3531
4	23.6029	21.3467	28.9270	21.5365	15.4221
5	24.4523	19.9375	19.6609	15.0040	13.9876
6	19.6592	18.7894	16.4957	20.3673	14.1422
7	16.0682	21.0934	17.8017	24.9917	13.5261
8	22.3908	19.9046	24.9266	20.7837	15.7506
9	19.3626	19.9448	20.2522	26.5262	14.9680
10	19.2821	23.1883	15.2823	25.6834	13.8522
11	21.3640	19.7951	21.5843	23.2311	14.1783
12	18.5747	18.8597	21.9365	20.4039	14.0114
13	18.3262	17.0349	23.8582	19.3746	15.5855
14	22.3425	19.4617	26.1568	17.6308	13.5734
15	26.1794	15.5853	18.5172	23.6005	14.4280
16	20.4599	15.9529	17.4638	27.5469	14.5544
17	19.5354	22.2001	27.0359	16.3402	14.6347
18	19.6729	21.2489	21.3897	17.1683	12.7887
19	17.2217	22.7034	17.8797	16.3786	12.6379
20	18.6922	21.4132	17.4849	20.1685	13.6559
μ	20.0107	19.5873	20.8629	20.6025	14.2585
σ	3.0582	2.2000	3.7034	3.9131	0.8667

Table: Best Estimate of Shear Modulus of Aluminium obtained from Experiment Data set