

AVERAGE PERIODS OF OSCILLATION (SECONDS)
FROM PROTOTYPE PLATE FULCRA
SPRING TESTS

(Plates .0.011" thick x 3/8" wide, Isoelastic)

301 GRAMS	301 GRAMS	501 GRAMS	701 GRAMS
<u>Test 17</u>	<u>Test 34</u>	<u>Test 33</u>	<u>Test 23</u>
0.355213	0.355289	0.441057	0.512562
0.355224	0.355287	0.441054	0.512551
0.355227	0.355289	0.441047	0.512554
0.355230	0.355286	0.441042	0.512532
0.355223	0.355294	0.441048	0.512527
<u>Test 19</u>	401 GRAMS	601 GRAMS	<u>Test 31</u>
0.355252			0.512593
0.355259	<u>Test 20</u>	<u>Test 22</u>	0.512605
0.355257	0.400432	0.478222	0.512572
0.355252	0.400424	0.478220	0.512609
0.355257	0.400418	0.478215	0.512562
<u>Test 24</u>	0.400423	0.478212	801 GRAMS
0.355293	0.400425	0.478219	
0.355294	<u>Test 25</u>	<u>Test 32</u>	<u>Test 18</u>
0.355292	0.400441	0.478153	0.544889
0.355291	0.400443	0.478157	0.544891
0.355291	0.400439	0.478160	0.544888
<u>Test 27</u>	0.400443	0.478161	0.544889
0.355288	0.400442	0.478153	0.544891
0.355287	501 GRAMS	401 GRAMS	<u>Test 30</u>
0.355291		with C. G.	0.544857
0.355299	<u>Test 21</u>	displaced	0.544852
0.355298	0.440970	<u>Test 26</u>	0.544855
<u>Test 29</u>	0.440981	0.400313	0.544854
0.355262	0.440988	0.400308	0.544853
0.355265	0.440996	0.400310	
0.355264	0.440977	0.400304	
0.355266		0.400309	
0.355266			

302 GRAMS

Test 28

0.355798
0.355800
0.355795
0.355800
0.355798

NOTES:

1. 301 Grams is the pan weight (so-called "zero mass").
2. All tests were run with pan surface vertical (so called "side ways").
3. Initial deflection (single amplitude) was 1/8".
4. Room temperature gradually increased from 19.74°C (Test 17) to 20.69°C (Test 34).
5. These tests were run the day after the springs were finished by the instrument shop.
6. The first two counts in a series of readings were neglected, and the next ten counts were averaged.

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