

Deep water ripples

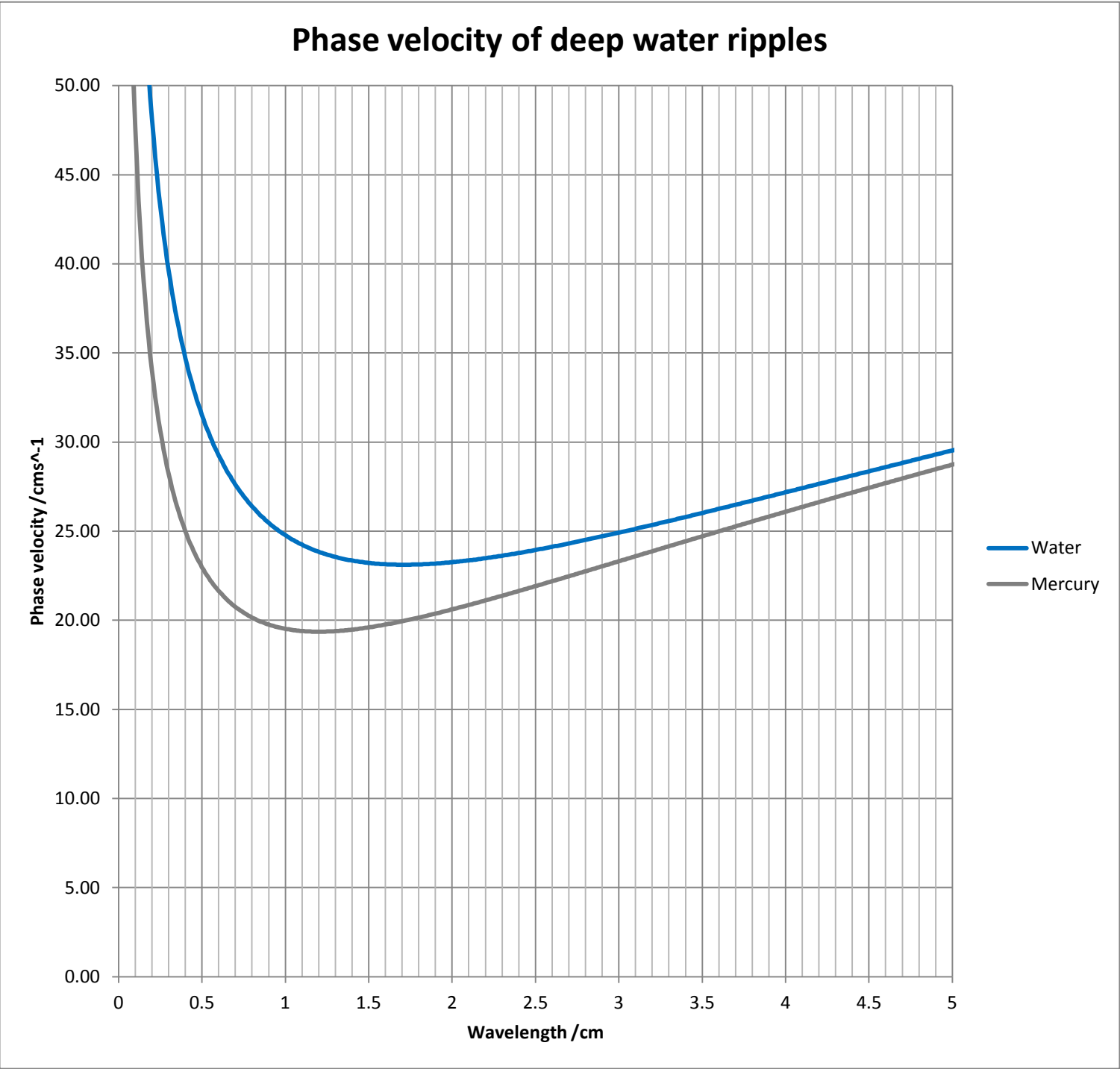
Dr A French July 2020

	water
surface tension /Nm^-1	0.0728
g /Nkg^-1	9.81
density /kgm^-3	1000
cmin /cms^-1	23.12
	mercury
surface tension /Nm^-1	0.487
g /Nkg^-1	9.81
density /kgm^-3	13600
cmin /cms^-1	19.36

wavelength /m	wavelength /cm
0.0001	0.01
0.0002	0.02
0.0003	0.03
0.0004	0.04
0.0005	0.05
0.0006	0.06
0.0007	0.07
0.0008	0.08
0.0009	0.09
0.001	0.1
0.0011	0.11
0.0012	0.12
0.0013	0.13
0.0014	0.14
0.0015	0.15
0.0016	0.16
0.0017	0.17
0.0018	0.18
0.0019	0.19
0.002	0.2
0.0021	0.21
0.0022	0.22
0.0023	0.23
0.0024	0.24
0.0025	0.25
0.0026	0.26
0.0027	0.27
0.0028	0.28
0.0029	0.29
0.003	0.3
0.0031	0.31
0.0032	0.32
0.0033	0.33

water cp /cms^-1
213.88
151.24
123.50
106.97
95.69
87.37
80.90
75.70
71.39
67.75
64.62
61.89
59.49
57.35
55.43
53.70
52.13
50.69
49.37
48.15
47.02
45.97
45.00
44.08
43.23
42.43
41.67
40.96
40.28
39.64
39.04
38.46
37.92

mercury cp /cms^-1
150.00
106.08
86.63
75.04
67.14
61.31
56.79
53.15
50.14
47.60
45.42
43.52
41.85
40.36
39.03
37.83
36.74
35.75
34.84
34.00
33.23
32.51
31.85
31.22
30.64
30.10
29.59
29.11
28.66
28.23
27.82
27.44
27.08



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0.0043	0.43
0.0044	0.44
0.0045	0.45
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0.0047	0.47
0.0048	0.48
0.0049	0.49
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0.0051	0.51
0.0052	0.52
0.0053	0.53
0.0054	0.54
0.0055	0.55
0.0056	0.56
0.0057	0.57
0.0058	0.58
0.0059	0.59
0.006	0.6
0.0061	0.61
0.0062	0.62
0.0063	0.63
0.0064	0.64
0.0065	0.65
0.0066	0.66
0.0067	0.67
0.0068	0.68
0.0069	0.69
0.007	0.7
0.0071	0.71
0.0072	0.72
0.0073	0.73
0.0074	0.74
0.0075	0.75
0.0076	0.76
0.0077	0.77
0.0078	0.78
0.0079	0.79
0.008	0.8
0.0081	0.81
0.0082	0.82
0.0083	0.83
0.0084	0.84

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36.90
36.43
35.97
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35.12
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0.0087	0.87
0.0088	0.88
0.0089	0.89
0.009	0.9
0.0091	0.91
0.0092	0.92
0.0093	0.93
0.0094	0.94
0.0095	0.95
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0.0133	1.33
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0.0296	2.96
0.0297	2.97
0.0298	2.98
0.0299	2.99
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0.0302	3.02
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0.0315	3.15
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0.0329	3.29
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0.0339	3.39

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0.0351	3.51
0.0352	3.52
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0.0355	3.55
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0.036	3.6
0.0361	3.61
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0.0363	3.63
0.0364	3.64
0.0365	3.65
0.0366	3.66
0.0367	3.67
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0.0369	3.69
0.037	3.7
0.0371	3.71
0.0372	3.72
0.0373	3.73
0.0374	3.74
0.0375	3.75
0.0376	3.76
0.0377	3.77
0.0378	3.78
0.0379	3.79
0.038	3.8
0.0381	3.81
0.0382	3.82
0.0383	3.83
0.0384	3.84
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0.0386	3.86
0.0387	3.87
0.0388	3.88
0.0389	3.89
0.039	3.9

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0.0391	3.91
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0.0394	3.94
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0.0396	3.96
0.0397	3.97
0.0398	3.98
0.0399	3.99
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0.043	4.3
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0.0439	4.39
0.044	4.4
0.0441	4.41

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0.0454	4.54
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0.0456	4.56
0.0457	4.57
0.0458	4.58
0.0459	4.59
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0.0898	8.98
0.0899	8.99
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