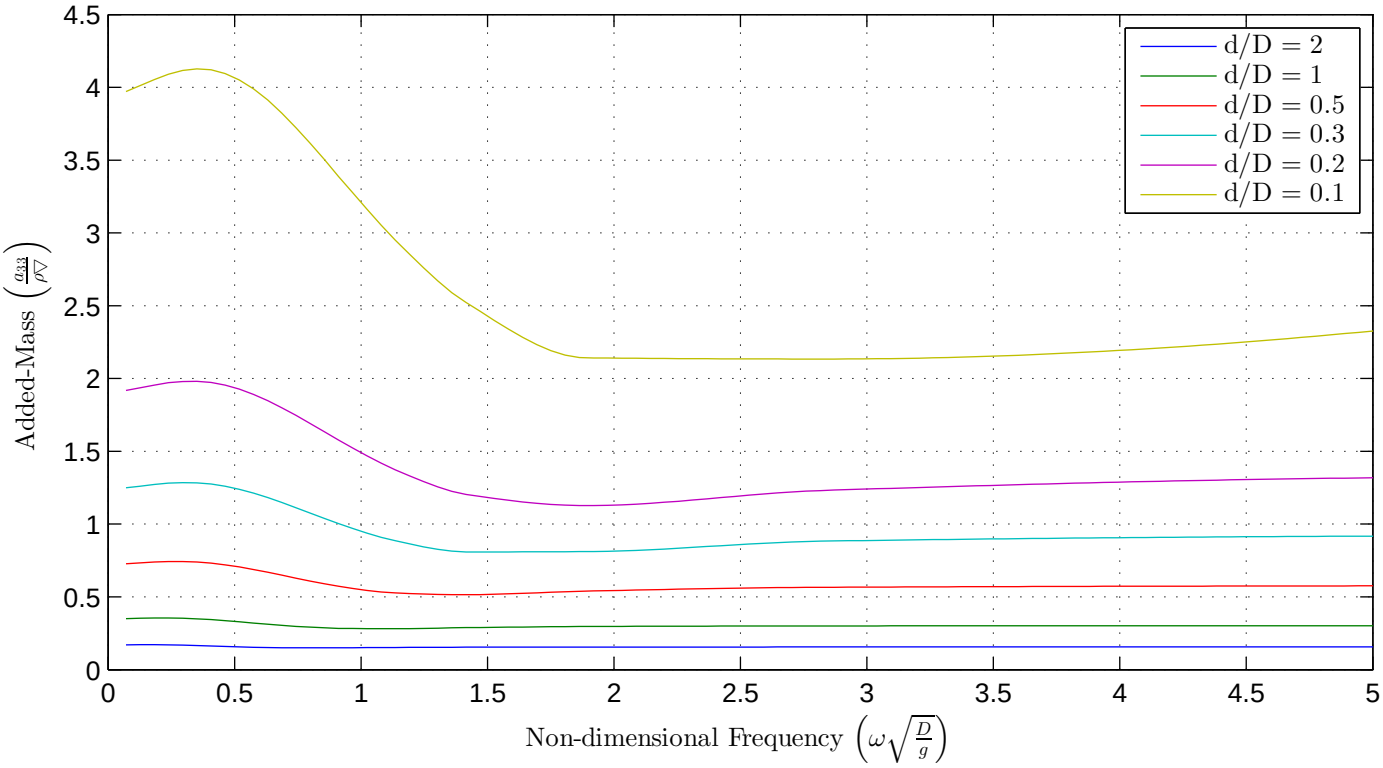
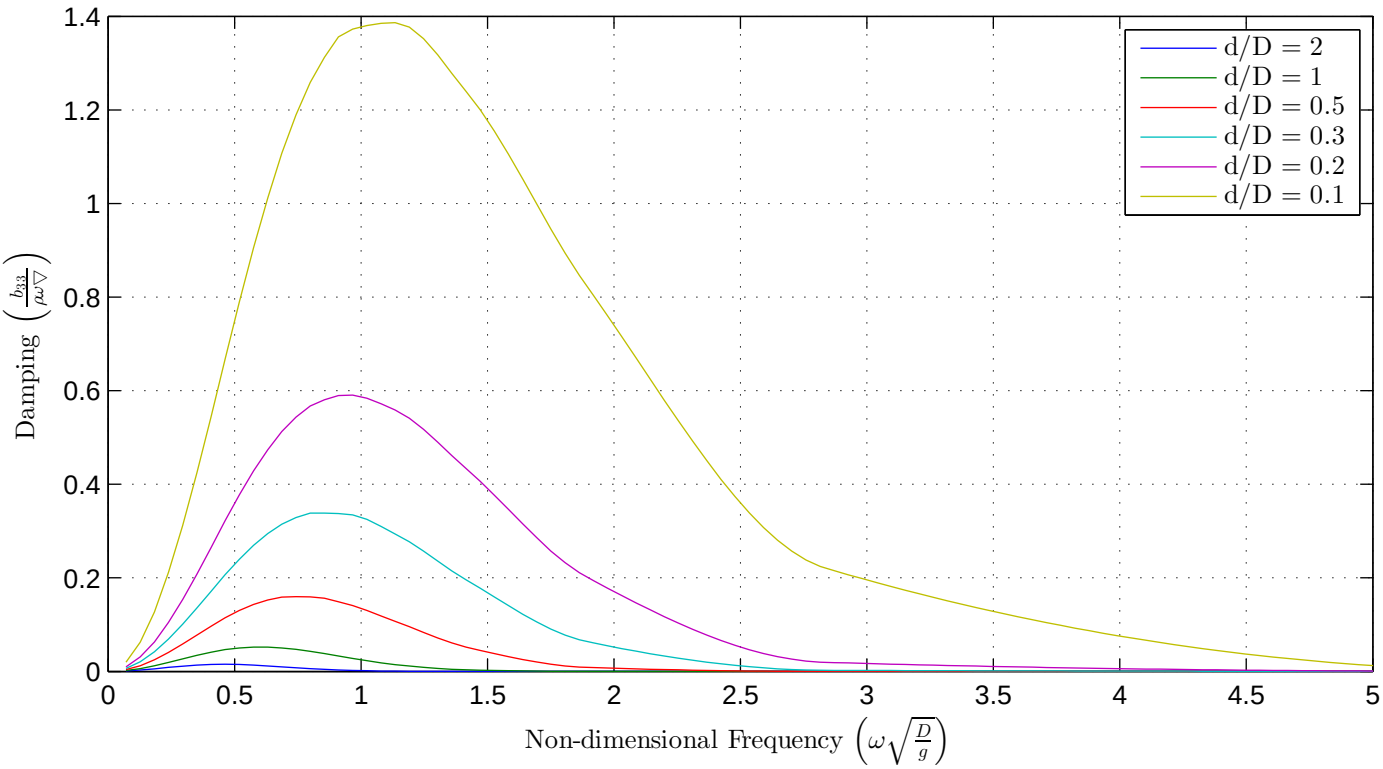

Added-Mass $\left(\frac{a_{33}}{\rho\nabla}\right)$
Non-dimensional Frequency $\left(\omega\sqrt{\frac{D}{g}}\right)$
d/D = 2
d/D = 1
d/D = 0.5
d/D = 0.3
d/D = 0.2
d/D = 0.1
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5


Damping $\left(\frac{b_{33}}{\rho\omega\nabla}\right)$
Non-dimensional Frequency $\left(\omega\sqrt{\frac{D}{g}}\right)$
d/D = 2
d/D = 1
d/D = 0.5
d/D = 0.3
d/D = 0.2
d/D = 0.1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0.5
1.5
2
2.5
3
3.5
4
4.5
5