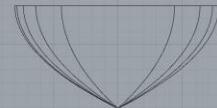
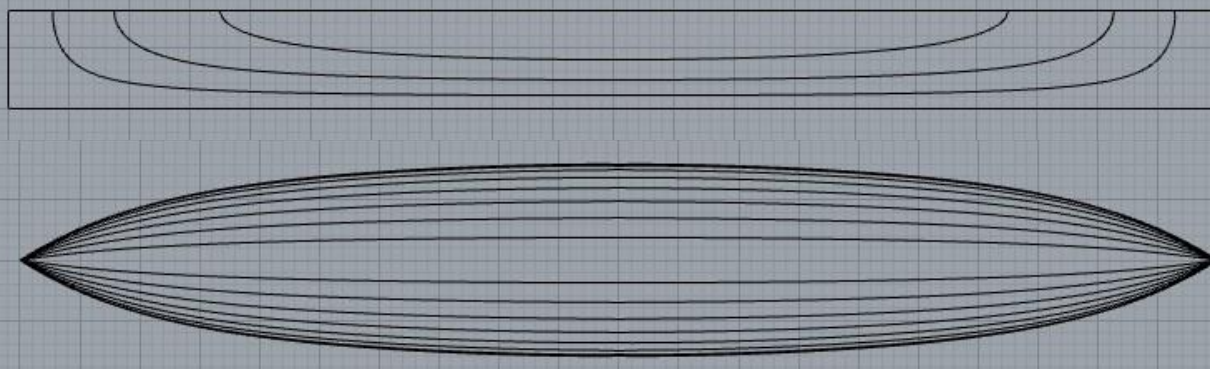


# B06505047 陳銘杰 Homework Ch.1

1.

x	-50	-45	-40	-30	-20	-10	0	10	20	30	40	45	50
z	y												
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.5	0	0.31899	0.531774	0.771776	0.889266	0.949344	0.96875	0.949344	0.889266	0.771776	0.531774	0.31899	0
1	0	0.617399	1.02924	1.49376	1.72116	1.83744	1.875	1.83744	1.72116	1.49376	1.02924	0.617399	0
2	0	1.152478	1.921248	2.788352	3.212832	3.429888	3.5	3.429888	3.212832	2.788352	1.921248	1.152478	0
3	0	1.605238	2.676024	3.883776	4.475016	4.777344	4.875	4.777344	4.475016	3.883776	2.676024	1.605238	0
4	0	1.975677	3.293568	4.780032	5.507712	5.879808	6	5.879808	5.507712	4.780032	3.293568	1.975677	0
5	0	2.263797	3.77388	5.47712	6.31092	6.73728	6.875	6.73728	6.31092	5.47712	3.77388	2.263797	0
6	0	2.469596	4.11696	5.97504	6.88464	7.34976	7.5	7.34976	6.88464	5.97504	4.11696	2.469596	0
7	0	2.593076	4.322808	6.273792	7.228872	7.717248	7.875	7.717248	7.228872	6.273792	4.322808	2.593076	0
8	0	2.634236	4.391424	6.373376	7.343616	7.839744	8	7.839744	7.343616	6.373376	4.391424	2.634236	0

2.



$$3. C_B = \frac{\nabla}{LBT} = \frac{4113.431759}{100 \cdot 16 \cdot 6} = 0.4285$$

$$C_{WL} = \frac{A_W}{L_{WL}B} = \frac{1142.78879}{100 \cdot 16} = 0.7142$$

$$C_M = \frac{A_M}{BT} = \frac{85.327226}{16 \cdot 6} = 0.8888$$

$$C_P = \frac{\nabla}{A_M L_{WL}} = \frac{C_B}{C_M} = \frac{0.4285}{0.8888} = 0.4821$$