

Homework #3: Wave Scattered Diagram for Long-Term Prediction

Q) Find design wave heights for 100 and 1000 years return periods?

H _{1/3}	T _{peak} (=T _{modal})										sum
	4	6	8	10	12	14	16	18	20	22	
2.0	10	24	31	33	45	45	30	22	11	2	253
4.0	4	38	42	48	43	50	33	21	13	4	296
6.0	0	23	28	35	33	49	29	16	10	3	226
8.0	0	1	19	22	23	23	19	12	6	2	127
10.0	0	0	2	12	16	12	13	9	2	0	66
12.0	0	0	0	2	6	5	7	5	1	0	26
14.0	0	0	0	0	0	2	2	1	1	0	6
sum	14	86	122	152	166	186	133	86	44	11	1000