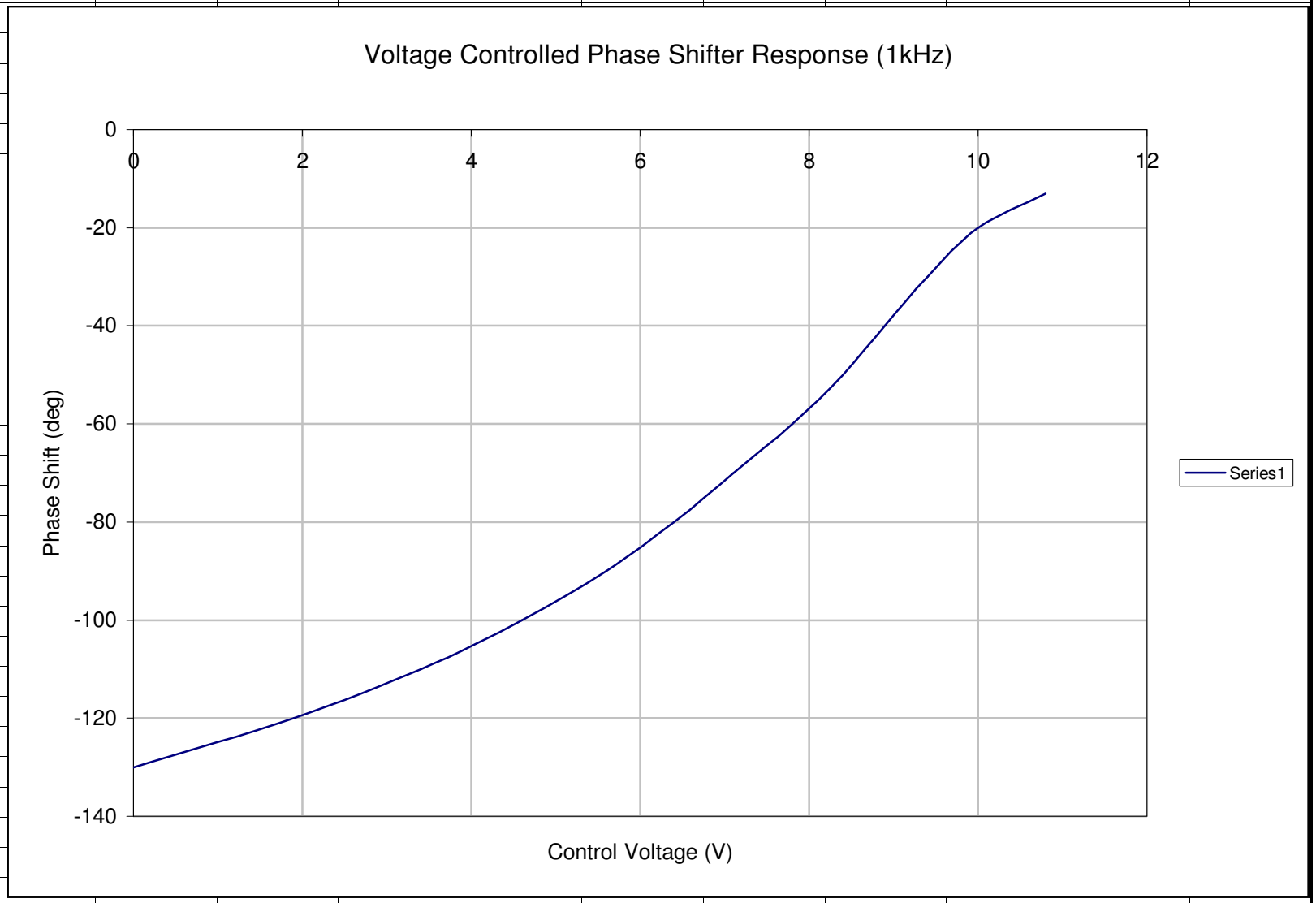vin (V)	phase(deg)
0	-130
1.9	-120
3.4	-110
4.6	-100
5.6	-90
6.4	-80
7.1	-70
7.8	-60
8.4	-50
8.9	-40
9.4	-30
10	-20
10.8	-13