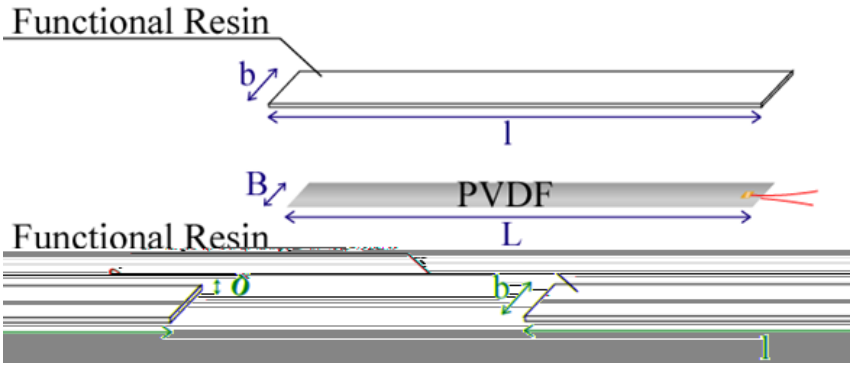
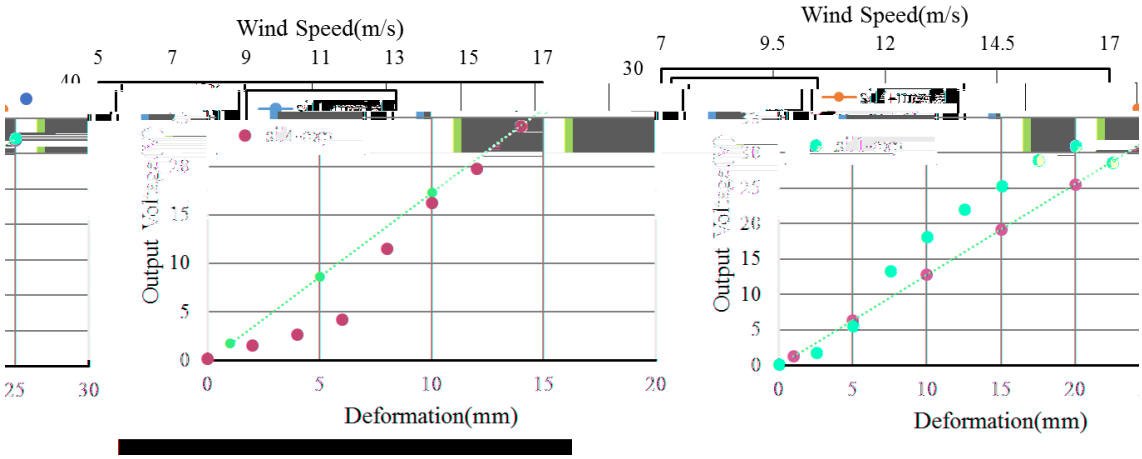


$$\ddot{\eta}_q(t) + 2\gamma_q\omega_q\dot{\eta}_q(t) + {\omega_q}^2\eta_q(t) + \epsilon V(t)\left[{W'}_q(x_1 + x_2) - {W'}_q(x_1)\right] = \ddot{\omega}_b(t)\int_0^L m(x)\, W_q(x)dx$$

$$C_p\frac{\partial V(t)}{\partial t} + \frac{V(t)}{R_{load}} = \sum_{q=1}^{\infty} -E_p d_{yx} t_{pc} b_p \left[\frac{\partial W_q(x)}{\partial x}\right]_{x_1}^{x_1+x_2} \dot{\eta}_q(t)$$

$$\omega_i = \left(\frac{i\pi}{l}\right)^2 \sqrt{\frac{EI}{\mu}} \sqrt{1 + \frac{T_0}{i^2(\pi^2 EI/l^2)}} \quad (i = 1,2,\cdots)$$

$$w = \frac{\varepsilon 24EI}{3l^2 z} \times \alpha \left| \frac{{\omega_n}^2 - \omega^2 + 2\gamma\omega\omega_n}{{\omega_n}^2} \right|$$


Wind Speed(m/s)
5
7
9
11
13
15
17
Output Voltage(V)
0
5
10
15
20
25
30
Deformation(mm)
Wind Speed(m/s)
7
9.5
12
14.5
17
Output Voltage(V)
0
5
10
15
20
25
30
Deformation(mm)