통신공학특강(무선채널모델링) Homeworks

❖ HW#1

- Verify that if V(x) is Rayleigh distributed, then $\langle V(x)^2 \rangle = \frac{4}{\pi} \langle V(x) \rangle$

❖ HW#2

- Find E-field strength (variation of the total electrical field for eight plane waves) with respect to V1=1, 5, 10, 100 by using a computer simulation

❖ HW#3

- Find reflection coefficient for the 30cm thickness of concrete brickwall by using a computher simulation. Where, relative permitivity is equal to 4.4 and frequency are 900MHz, 2.4GHz
- Find reflection coefficient for the 3mm thickness of glass window by using a computher simulation. Where, relative permitivity is equal to 4 and frequency are 900MHz, 2.4GHz