

- 1.) 2.55×10^{-19} N, down
- 2.) 7.46×10^{-8} A, counter clockwise, looking from above
- 3.) 2.8×10^{-7} T, down
- 4.) Capacitance = 1.88×10^{-10} F
- 5.) $7.7 \sin^2(6 \times 10^6 \text{ Hz} \times t)$ W/m²
- 6.) 2.1×10^{-7} T
- 7.) 1.36 H