

26. According to Eq. 24-13 the electric field due to either sheet of charge with surface charge density σ is perpendicular to the plane of the sheet (pointing *away* from the sheet if the charge is positive) and has magnitude $E = \sigma/2\varepsilon_0$. Using the superposition principle, we conclude:

- (a) $E = \sigma/\varepsilon_0$, pointing up;
- (b) $E = 0$;
- (c) and, $E = \sigma/\varepsilon_0$, pointing down.