Chapter 23 – Suggested problems

21, 31, 35, 37, 41, 56, 60, 63, 73, 74, 76, 79

Solutions of even suggested problems

(56) (a) -8.4×10^6 V

    (b) $V_a > V_b$

(60) $V = 47.8$ V

(74) (a) $V = 2.25 \times 106$ V

    (b) all at same potential

    (c) only $V_c - V_\infty$ would change, -2.25×10^6 V

(76) $v_{50} = 12.7$ m/s

    $v_{150} = 4.24$ m/s

    $a_{50} = 3\, a_{150} = 216$ m/s^2