

Errata

4/5/2025

- Page 52, in eqn. (2.105), the second q should be q' (the image charge magnitude), same correction in the text above eqn. (2.104) and meanwhile, the image charge magnitude $q' = \frac{a}{r_s} q$.
- Page 117, on line 5, ∇ should be ∇^T , and same changes inside the proof of Theorem 4.2.
- Page 115, in eqn. (5.99), the indices i_1, \dots, i_d should be limited to those of the sparse grid as in (5.96), i.e., $k + 1 \leq i_1 + \dots + i_d \leq d + k$.
- Page 121, in Theorem 4.7, “positive” should be “negative”.
- Page 134, 2 lines below Section 4.7 heading, “f=g=0” should be “f=q=0”.
- Page 170, 5 lines below eqn. (6.52), “excluding 4 holes” should be deleted.
- Page 513, in eqn. (17.23), and page 517, in eqn. (17.42) and the second line below, $E_{xc}(\mathbf{x})$ should read $E_{xc}[\rho]$.