Corrections

$$\frac{\triangle T_{2a}}{\triangle T_{2b}} = -\frac{q_{2b}}{q_{2a}}, \qquad (4.10)$$

$$\frac{\triangle T_{2b}}{\triangle T_1} = -\frac{m_{2b}}{m_2}\frac{q_1}{q_{2b}} \qquad (4.12)$$

$$\frac{\triangle T_1}{\triangle T_{2b}} = -\frac{m_2}{m_{2b}}\frac{q_{2b}}{q_1} \qquad (4.13)$$

$$\frac{\triangle T_{2a}}{\triangle T_{2b_2}} = -\frac{m_{2b}}{m_{2b_2}}\frac{q_{2b_2}}{q_{2a}} \quad \text{and} \quad \frac{\triangle T_{2b_2}}{\triangle T_{2a}} = -\frac{m_{2b_2}}{m_{2b}}\frac{q_{2a}}{q_{2b_2}} \qquad (4.14)$$

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being $\triangle T_{2b_1} / \triangle T_{2b_2} = -q_{2b_2}/q_{2b_1}$.

$$\frac{\triangle T_{2b}}{\triangle T_{1a}} = -\frac{m_{2b}}{m_{1a}}\frac{m_1}{m_2}, \text{ if } m_{2b} > m_{1a} \quad \text{and} \quad \frac{\triangle T_{1a}}{\triangle T_{2b}} = -\frac{m_{1a}}{m_{2b}}\frac{m_2}{m_1}, \text{ if } m_{2b} < m_{1a} \qquad (4.15)$$

$$l \approx \frac{2d}{qU}\sqrt{\frac{m_{1a}^2}{m_1^2} + \frac{m_{2b}^2}{m_2^2}} \cdot p \qquad (4.19)$$