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PHY 712 Graduate Level Electrodynamics

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Classical Electrodynamics - Duke University

e Classical electromagnetism or classical electrodynamics is a branch of theoretical physics that studies the interactions between electric charges and currents using an extension of the classical Newtonian model.

Classical electromagnetism - Wikipedia

(PDF) Solutions to Jackson's book Classical Problems in Classical Electrodynamics - 3th Edition | Herminso Villarraga-Gómez - Academia.edu This paper contains (handwritten) comprehensive solutions to the problems proposed in the book "Classical Electrodynamics", 3th Edition by John David Jackson. The solutions are limited to chapters 1, 2, 3, & 4.

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$\lambda - 2(1 + \lambda)^4 < 0$ for $\lambda = 1$ Thus for $\lambda = 1$, $q = Q/2$. This means the total fixed charge will be divided equally among the two charges to give the maximum force of repulsion: $F_1[\max = q a(1 - \mu)^2$. B. If the midpoint of the line joining the two charges is fixed, then $a + \mu a^2 = \text{constant} (d)$. Therefore, $a = 2d/1 + \mu$.

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