University of Anbar

College of Science

Department of Applied Geology

Fourth Year

Electromagnetics



جامعة الانبار كلية العلوم قسم علوم الفيزياء المرحلة الرابعة الكهرومغناطيسية

Electrostatics

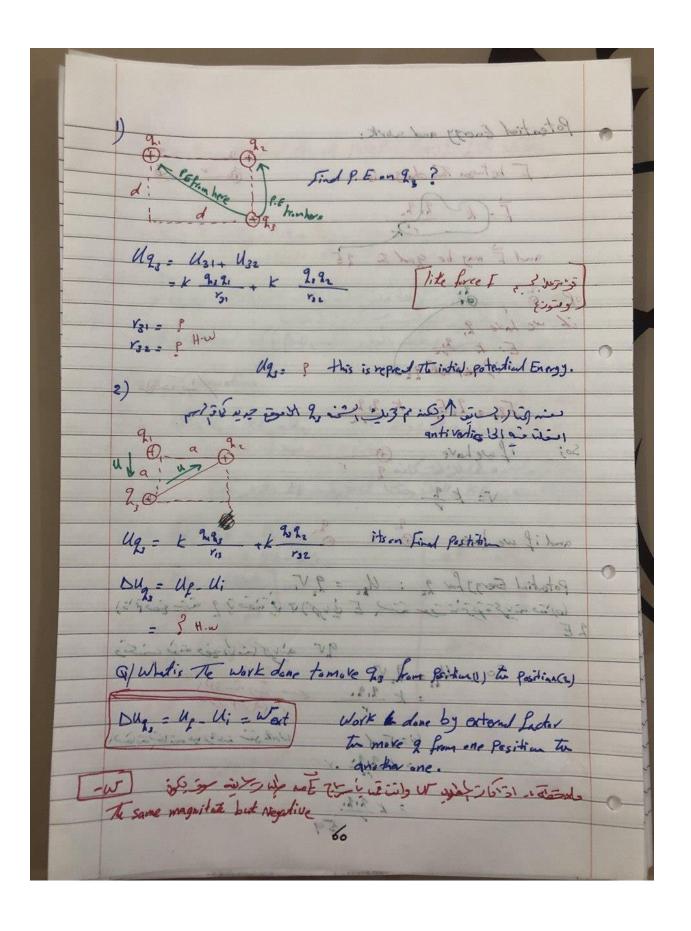
Part Eight: Potential Energy and Work

Dr. Israa Kamil Ahmed

د اسراء كامل احمد



Potential Energy and work: I between Two charge is and i may be gul to 25 if repul ? Fg. = 9. E. K 2.2. So; if we have gr Potential Energy for 2: U2: = 9. V.
(6) = = 5= psi = = E & up) = vine 2 2 = 2 = 20 = 15) Work sie siegue - (- 2) - + 2.9. x = 1 212.



De do a G/ Find the all potential Energy of The State ? Usxsten = U12+ U14+ U14+ U23+ U14+ U104 estary from vicinizadors (619) (all sxstem) wiper (and ges) = b = find) sing 5000 Energy Consevation حامض ليخمل ؟ Park Called Lines WE KE, U - KE, + M2 طلاحي سؤل في المحالية الله على قِلْحَكَه كُم فَالْمُسَانِ فَاتَهُ كَانِهُ و استان عام و المنت و مكتا الما و و و ملا و تو در تابت KEZ-KE, - U, U, DK= gov Waite Jas & sain acceptation 1/2/KE9 = 9E/ F= 3 C.S. qu jesis ain lig والاجرافر كالإلحميل ليم والمستمني المهلما KEIZ DY 61

Re	eference:	
	1) INTRODUCTION to ELECTRODYNAMICS, Third Edition, David j.Griffths	