Griffiths

2.7. Calculate ratio of gravitational attraction to electriz repulsion between 2 stationary electrons. Fgrav = GMm \_ 6.67×10 (m3kg 5) (9.1×103) kg²  $= 6.67 \times 10^{-11} \times 81 \times 10^{-62} \text{ m kg} = 7$ Fearland = 1 9,92 = 9410 1 9e kg m 5 9 = 1.6×10-19 => Fearlows 2 9×109 (1.6 5 2 10 kg m 5 2  $\frac{\text{Fync}}{\text{Fearlows}} = \frac{6.67 \times 10^{9} \times 81 \times 10^{62}}{9 \times 10^{9} (66)^{2} / 0^{-38}} = \frac{590 \times 10^{73}}{23 \times 10^{23}} \times 2.3 \times 10^{-43}$