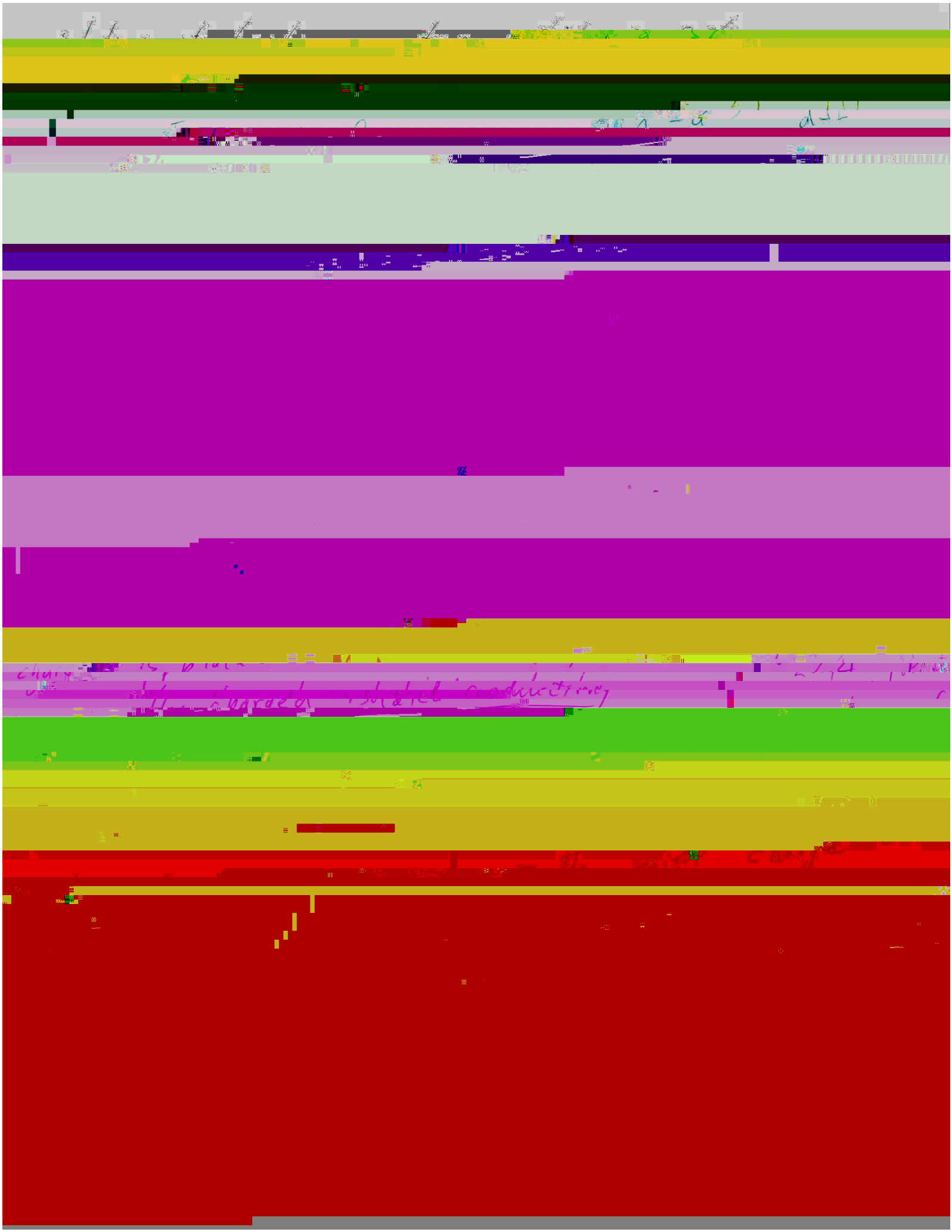

Jackson 2.4 (a) discussed in tutorial

with grounded conducting sph

$$\underbrace{\left[\frac{a}{d}\right]^{d}}_{\text{attractive}} \qquad \underbrace{d^{2}}_{\text{repulsive}}$$