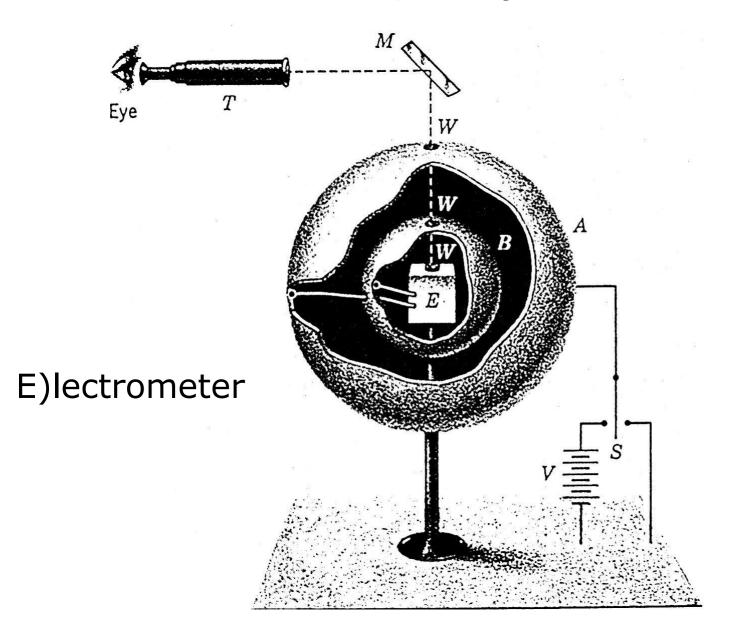
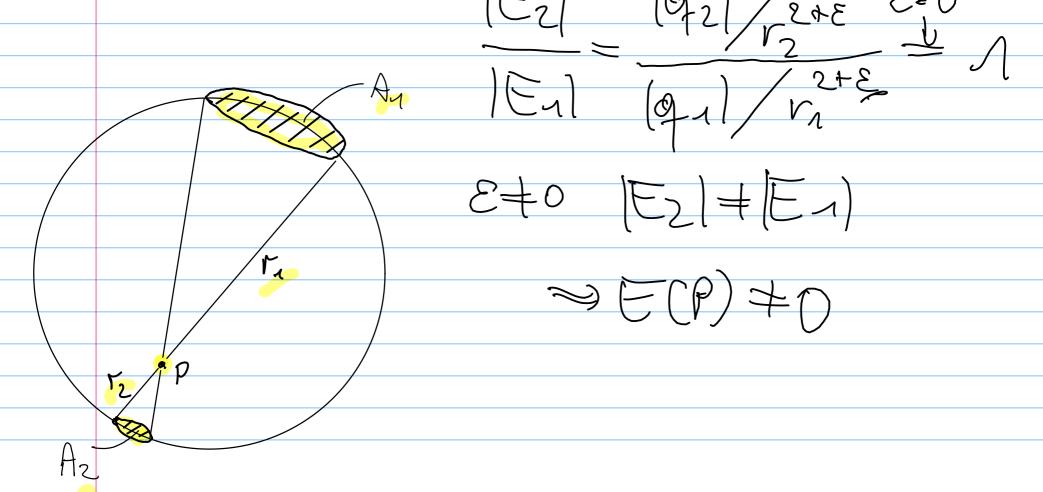
A Very Accurate Test of Coulomb's Law of Force Between Charges

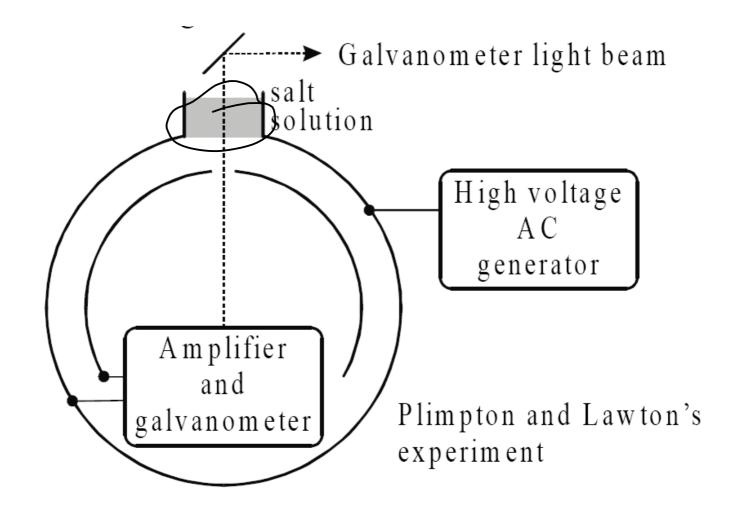
S. J. PLIMPTON AND W. E. LAWTON, Worcester Polytechnic Institute, Worcester, Massachusetts (Received September 30, 1936)



$$\frac{A2}{A1} = \frac{r^2}{r^2}$$

$$\frac{A2}{A1} = \frac{A2}{A1}$$





In this method the detector was employed as a resonance electrometer. The high voltage was applied to the outer globe as a smooth sinusoidal wave of very low frequency, so as to build up a resonant vibration of the galvanometer. This

Elektrostatik im Alltagsleben

- Graphit im Reifen
- Farbspritzen auf Körperrückseite
- Partikelfilter
- Xerographie

Moleküle ausrichten in Kontakten

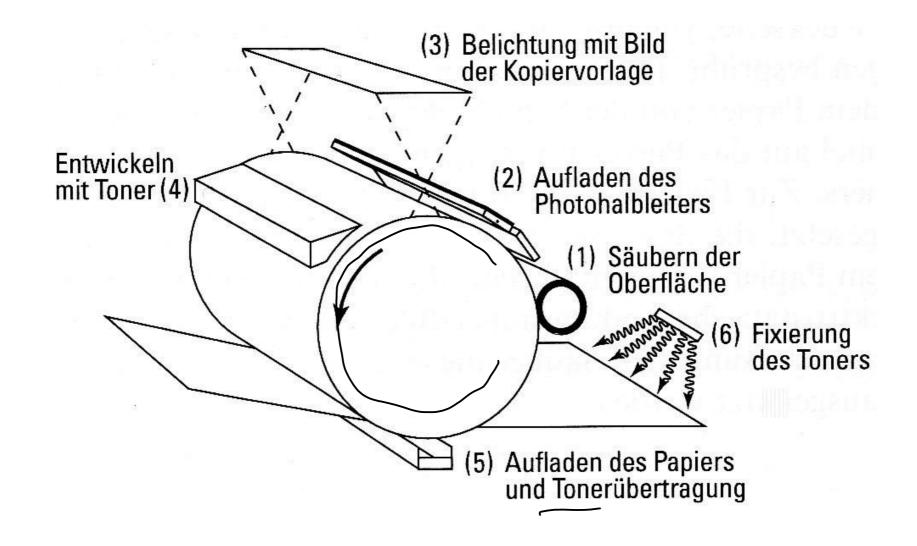
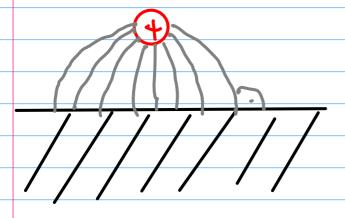
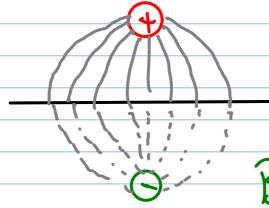
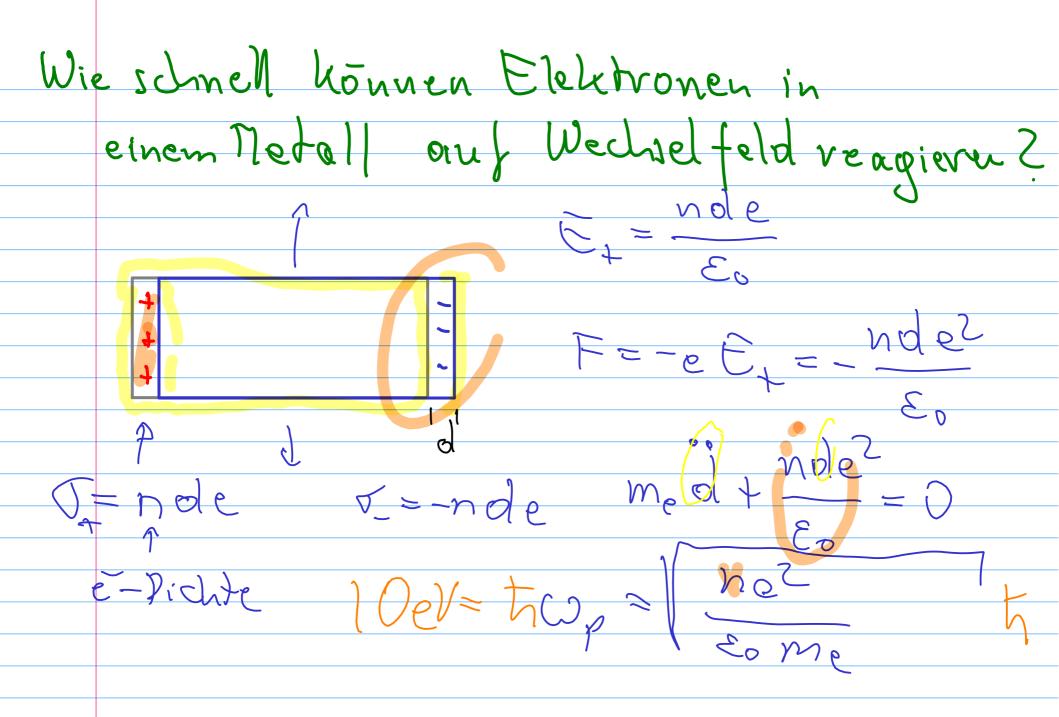


Abb. 2.54 Die verschiedenen Schritte des Kopierverfahrens (schematisch): Die Trommeloberfläche trägt den Photohalbleiter, das Papier wird hier als Endlos-Band unten an der Trommel vorbeigeführt.





Bildladung



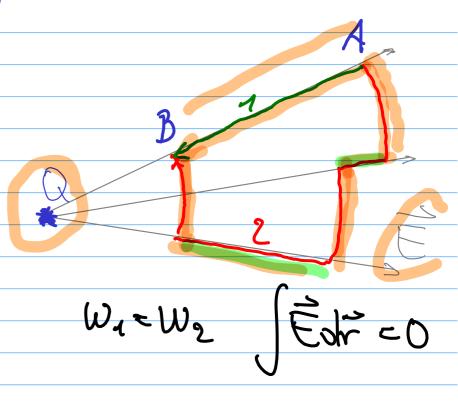
Elektrisches Potential \sqrt{r}



$$V_{B} = V_{A} = \frac{W_{AB}}{B}$$

$$= \frac{1}{A} \cdot \left(-\frac{1}{A} \cdot \frac{1}{A} \cdot \frac{1}{A}$$

$$\left(\mathcal{W} = - \left(\frac{2}{F} d \right) \right)$$



Punktladung: wahle
$$A \rightarrow \infty$$

$$V(A) = V(\infty) = 0$$

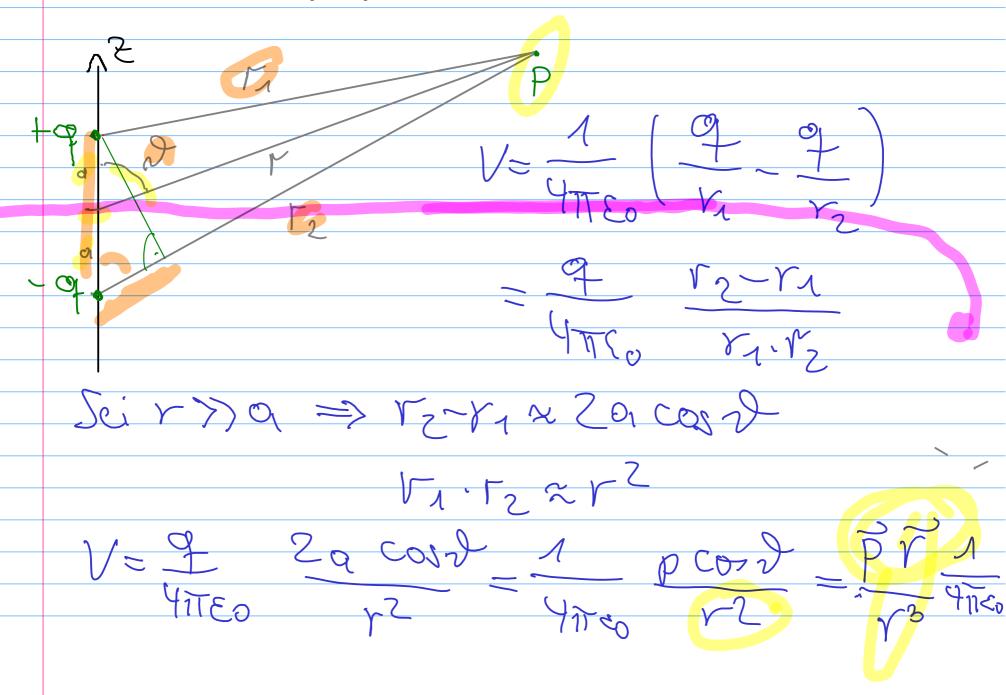
$$V(Y) = -\frac{1}{4\pi\epsilon_0} \int_{Y/2}^{Y/2} dY \frac{1}{40}$$

$$= \frac{1}{4\pi\epsilon_0} \int_{Y/2}^{Y/2} dY \frac{1}{40}$$

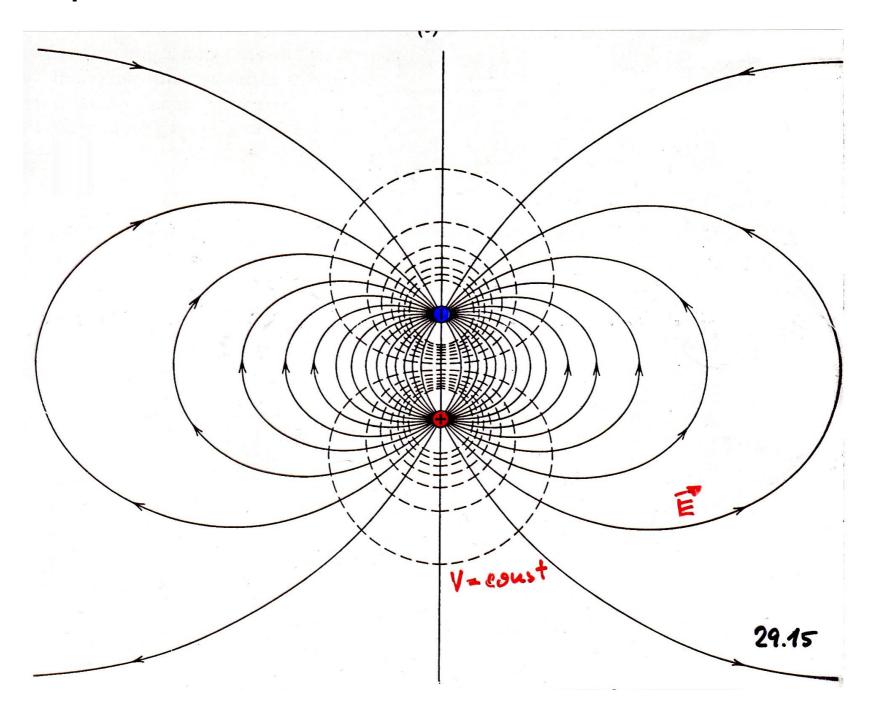
Lad. - dichte Potential differenz = Spannung

Potention l'eines Atomkerns: Au V=1,7.107V=17MV Het = Ze = DW = 34 MeV (Rüchstoßipnoviert)

Elektrisches Dipolpotential



Dipol: Elektrisches Feld und Potential



Faus V.

$$=$$
 $\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt{2}}$

$$E_{x} = -\frac{\lambda}{\lambda} \vee (x, y, \lambda)$$

$$\frac{2}{2} = \frac{3x}{3x} = \frac{3x}{3x} + \frac{3y}{3y} = \frac{3x}{3x} = \frac{3x}{3x}$$

Bap: Punktloidung

BSY. Dipol V= 1 PCDV 41750 V = 127 $CODD = \frac{7}{1249}$ 2) V= H12 (x2+y2)/2 V = P (1 4776. (x²+y²)³/₂ 2 (x²+ Apriator yeo: Eye

Spitzenwirkung

Spitzenwirkung

