$$\frac{KQ_1Q_3}{"J^2} - \frac{KQ_2Q_3}{"J^2} = \times$$

$$\frac{(9.10^{9}).(2.10^{6}).-(3.10^{6})}{0.1^{2}}=-5.4$$

$$(9.10^{9}).(8.10^{-6}).-(3.10^{-6})$$

$$= 2.4N$$

$$F_{13} - F_{23} = X$$

$$5, 4 - 2, 4 = X$$

$$(x = 3N)$$

$$\frac{10}{V_{MP}} = \frac{K_{M} |Q_{M}| |Q_{P}|}{V_{MP}}$$

$$\frac{4.10^{4}}{L} = \frac{9.10^{9}.101^{2}}{0.03} = 4.10^{-11} N$$

$$F_{MN} = \frac{|A|Q_{M}|.|Q_{N}|}{|V_{MN}|} = \frac{9.10^{9}.4.10^{-17}}{|O_{1}O_{2}|^{2}} = 9.10^{-4}N$$

$$Q_1 \leftarrow Q_2$$

$$Q_2 \leftarrow Q_3$$

$$F_{23} = \underbrace{K, Q_2, Q_3}_{2}$$

$$\frac{\text{A.Q.} \text{A.Q.}}{\text{Y}^{2}} = \frac{\text{A.Q.} \text{A.Q.}}{\text{X}^{2}}$$

$$\frac{\partial_2}{\cancel{X}} = \frac{O_1}{\cancel{X}^2} \qquad (2 - \cancel{X})^2 = \frac{O_1}{\cancel{X}^2}$$

$$\frac{15}{x^2} = \frac{6}{(2-x)^2}$$

$$15.\overline{(2.x)^2} - 6x^2$$

$$(2-x).(2-x)$$

$$60 - 60 \times + 15x^{2}$$

$$\Delta = -60^2 - 4.9.60$$

gullerne Pasqualetti

$$X = 2(5-\sqrt{10}) = 1,226$$

$$JQ_3 \cong 0,774$$