

1 ZSG Movire Laplace

Dieses Dokument liefert die Textbausteine für Aufgabe 3 von dem Arbeitsblatt: "ZSG Movire-Laplace"

$$\frac{n!}{k!(n-k)!} p^k q^{n-k}$$

$$\frac{1}{\sqrt{2\pi npq}} e^{\left(-\frac{(k-np)^2}{2npq}\right)}$$

$$\frac{k-np}{\sqrt{npq}}$$

$$np + z\sqrt{npq}$$

$$nq - z\sqrt{npq}$$

$$\frac{1}{\sqrt{2\pi}} \sqrt{\frac{n}{n^2 pq}} \left(\frac{np}{k}\right)^k \left(\frac{nq}{n-k}\right)^{n-k}$$

$$\frac{1}{\sqrt{2\pi}} \frac{1}{\sqrt{npq}} \left(\frac{np}{k}\right)^k \left(\frac{nq}{n-k}\right)^{n-k}$$

$$\frac{1}{\sqrt{2\pi npq}} e^{-\frac{\left(\frac{k-np}{\sqrt{npq}}\right)^2}{2}}$$

$$\frac{1}{\sqrt{2\pi npq}} e^{\left(-\frac{(k-np)^2}{2npq}\right)}$$