

Heims Kontrabarische Gleichung:

$$\boxed{m = \frac{r}{2a} (1 \pm \sqrt{1 - \frac{4a\alpha}{r}})}$$

$$a = \frac{3\hbar}{32c^2}$$

$$E = mc^2, \quad dE = dm c^2 \quad L = m_0 (1 - \frac{a m_0}{r_0})$$

$$E_e = \pm \frac{1}{4\pi\epsilon_0} \frac{e^2}{r}$$

$$dE_e = \frac{\partial E_e}{\partial e} de + \frac{\partial E_e}{\partial r} dr = dE$$

$$dE_e = \pm \frac{c^2}{6} (-\frac{e^2}{r^2} dr + 2e \frac{de}{r}) = c^2 dm, \quad \theta = 4\pi\epsilon_0 c^2$$

$$\rightarrow \frac{1}{r} \frac{dr}{dn} = \frac{1 - \frac{2\alpha}{m}}{m - \alpha}$$

$$\rightarrow 2e \frac{de}{dn} - c^2 \frac{1 - \frac{2\alpha}{m}}{m - \alpha} = \pm ab \frac{m^2}{m - \alpha}$$

$$\rightarrow e = \pm \frac{\hbar}{c} \sqrt{\frac{r}{6(m - m_0)} \left[E_0 \pm \frac{1}{\sqrt{6}} r_0 (m - m_0) \right]}$$

$$e = \pm 2 \sqrt{\pi \epsilon_0 r (\beta + m c^2)}, \quad \beta = \frac{e_0^2}{4\pi\epsilon_0 r_0} - m_0$$

$$\phi = \frac{e}{4\pi\epsilon_0 r} = \pm \frac{1}{2} \sqrt{\frac{r}{4\pi\epsilon_0 r} (\beta + m c^2)}$$

$$\mathcal{E} = \text{grad} \phi = \pm \frac{1}{\sqrt{\pi \epsilon_0 r (\beta + m c^2)}} \left[\frac{c^2}{\pi \epsilon_0 r} (\text{grad} \phi) + \frac{1}{\pi \epsilon_0} \text{grad} \left(\frac{1}{r} \right) \right]$$

$$\mathcal{E} = \pm \left(\frac{c}{8} \Gamma + \text{grad} \left(\frac{1}{r} \right) \right) \left[4 \sqrt{\frac{\pi \epsilon_0}{r} (\beta + m c^2)} \right]^{-1}$$

$$\text{div} \mathcal{E} = \text{div} (f(r) \Gamma) + a \text{div} [f(r) \text{grad} \left(\frac{1}{r} \right)]$$

$$\text{grad} \left(\frac{1}{r} \right) = 0 \rightarrow \frac{1}{r} = \pm 4a \sqrt{\frac{\pi \epsilon_0}{r} (\beta + m c^2)}$$

$$\boxed{\text{div} \mathcal{E} = \Gamma \text{grad} f + f \text{div} \Gamma = \text{div} (f \Gamma) = \frac{\rho_2}{\epsilon_0}}$$

$$E_g = \gamma \frac{m^2}{r}, \quad m^2 = \frac{E}{c^2}$$

$$E_g = \gamma \frac{E^2}{c^2 r}$$

$$dE_g = \left(\frac{\partial E_g}{\partial r} dr + \frac{\partial E_g}{\partial E} dE \right)$$

$$dE_g = \frac{\gamma}{c^2} \left(-\frac{E^2}{r^2} dr + \frac{2E}{r} dE \right) = c^2 dm$$

$$\frac{dE_g^2}{dm} = \frac{1}{m} \frac{m - 2\alpha}{m - \alpha} E^2 = \frac{m^2 c^4}{m - \alpha}$$

$$E = \pm \sqrt{r \left(\frac{c^2}{8} m + K \right)}, \quad K = \frac{E_0^2}{r_0} - \frac{c^2}{8}$$

$$K=0, \quad m = \frac{E_0^2 r}{r}$$

$$E = c^3 \frac{r}{8} \sqrt{\gamma}$$

$$\eta = \frac{dE}{dV} = \frac{1}{4\pi r^2} \frac{dE}{dr} = \frac{c^3}{4\pi^2} \frac{1}{r^2} \frac{d}{dr} (r \sqrt{\gamma})$$

$$\eta = \frac{c^3}{4\pi^2} \frac{1}{r^2} \left[\sqrt{\gamma} + r \frac{1}{2\sqrt{\gamma}} \ln \gamma \right]$$

$$\vec{\eta} = \text{div} \mathcal{E} \times \vec{f}, \quad \vec{f} = \frac{dK}{dV}$$

$$\begin{aligned} \vec{f} &= \text{grad} \vec{\eta} = \text{grad} dV (f(r) \vec{\eta}) = r \text{grad} (f(r) \vec{\eta}) + f(r) \text{grad} (r \vec{\eta}) \\ &= \frac{c^3}{4\pi^2} \frac{d}{dt} \text{grad} \left[\frac{1}{r} \left(\sqrt{\gamma} + r \frac{1}{2\sqrt{\gamma}} \ln \gamma \right) \right] \end{aligned}$$

Kontrabarische Gleichung
zur Erzeugung von Gravitationsfeld
Wirkungen aus dem Strahlungsfeld
 $\chi = (\chi \times \chi_m)$