$$\frac{\mathrm{d}\,\phi_g}{\mathrm{d}\,z} = \frac{\pi i}{\xi_0}\phi_g + \frac{\pi i}{\xi_g}\phi_0 \mathrm{e}^{-2\pi i s z}$$

$$\partial_\nu F^{\mu\nu} = 4\pi j^\mu$$

$$R_{\mu\nu} - \frac{1}{2}g_{\mu\nu}R = \frac{8\pi G}{c^4}T_{\mu\nu}$$

$$\partial_{[\mu} F_{\nu\sigma]} = 0$$

$$\frac{\mathrm{d}\,\phi_0}{\mathrm{d}\,z} = \frac{\pi i}{\xi_0}\phi_0 + \frac{\pi i}{\xi_g}\phi_g \mathrm{e}^{2\pi i s z}$$

$$\delta \int \mathcal{L}(x, \dot{x}, t)\mathrm{d}t = 0$$

$$\left[\frac{\hbar^2}{2m}\Delta + V(\vec{r})\right]\psi(\vec{r}) = i\hbar\frac{\partial}{\partial t}\psi(\vec{r})$$

$$\eta_{\mu\nu} = \begin{pmatrix} -1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ & & & 1 \end{pmatrix}$$

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$$\Gamma^\mu{}_{\nu\sigma}\big|_p = 0$$

$$2d_{hkl}\sin\theta = n\lambda$$