

$$K^{-1} G \gamma_\sigma = \int_{ds}^{K^{-1} G} {}^s \eta {}^s \varphi_\sigma^-$$

$${}^s \mathfrak{L}_{a^\#} = {}^s \varphi_\sigma \mathfrak{L}_\sigma \int_{a^\#}^{d\sigma / \sqrt{c(\sigma)^2}}$$