

$$= \left(\sqrt{\cosh 2\rho} d\eta + \frac{\cosh \rho}{2\sqrt{\cosh 2\rho}} d\phi \right)^2 + \frac{1}{4} \left(d\rho^2 + \frac{\sinh^2 \rho}{\cosh(2\rho)} d\phi^2 \right)$$