\( F(\theta, \phi) = f(x^1, x^2, x^3) \)
\[
\sum_{i=1}^{3} \frac{\partial^2 F}{\partial x_i^2} + \frac{\partial}{\partial x_0} \left( \frac{1}{\sqrt{\gamma}} \frac{\partial F}{\partial x_0} \right) - \frac{\partial F}{\partial \theta} \frac{\partial \theta}{\partial \theta} - \frac{\partial F}{\partial \phi} \frac{\partial \phi}{\partial \phi} = 0
\]

\( F(\theta, \phi) \) is the invariant.

1) \( F(\theta, \phi) = \cos \theta \)
\[
\frac{\partial^2}{\partial x_0^2} F + \frac{1}{\sqrt{\gamma}} \frac{\partial}{\partial x_0} \left( \frac{\partial F}{\partial x_0} \right) = 0
\]

2) \( F(\theta, \phi) = \sin \theta \)
\[
\frac{\partial^2}{\partial x_0^2} F + \frac{1}{\sqrt{\gamma}} \frac{\partial}{\partial x_0} \left( \frac{\partial F}{\partial x_0} \right) = 0
\]

3) \( F(\theta, \phi) = \frac{1}{\sqrt{\gamma}} \frac{\partial}{\partial x_0} \left( \sqrt{\gamma} \frac{\partial F}{\partial x_0} \right) \)
\[
\frac{\partial^2}{\partial x_0^2} F + \frac{1}{\sqrt{\gamma}} \frac{\partial}{\partial x_0} \left( \frac{\partial F}{\partial x_0} \right) = 0
\]

4) \( F(\theta, \phi) = \frac{1}{\sqrt{\gamma}} \frac{\partial}{\partial x_0} \left( \sqrt{\gamma} \frac{\partial F}{\partial x_0} \right) \)
\[
\frac{\partial^2}{\partial x_0^2} F + \frac{1}{\sqrt{\gamma}} \frac{\partial}{\partial x_0} \left( \frac{\partial F}{\partial x_0} \right) = 0
\]
The text is not legible or readable.