Longitude :  $\lambda$ . Latitude :  $\phi$ .

$$\begin{split} X' &= \frac{\cos\left(\phi\right) \times \cos\left(\lambda\right)}{1 + \sin\left(\phi\right)} \\ Y' &= \frac{\cos\left(\phi\right) \times \sin\left(\lambda\right)}{1 + \sin\left(\phi\right)} \\ dX' &= -\frac{+\cos\left(\lambda\right) \times d\phi + \sin\left(\lambda\right) \times \cos\left(\phi\right) \times d\lambda}{1 + \sin\left(\phi\right)} \\ dY' &= +\frac{-\sin\left(\lambda\right) \times d\phi + \cos\left(\lambda\right) \times \cos\left(\phi\right) \times d\lambda}{1 + \sin\left(\phi\right)} \\ dX &= \cos\left(\phi\right) \times d\lambda \\ dY &= d\phi \end{split}$$

$$\begin{bmatrix} dX' \\ dY' \end{bmatrix} = \frac{1}{1 + \sin(\phi)} \times \begin{bmatrix} +\sin(\lambda) & +\cos(\lambda) \\ +\cos(\lambda) & -\sin(\lambda) \end{bmatrix} \times \begin{bmatrix} dX \\ dY \end{bmatrix}$$