```
-Sin[\theta] Cos[\phi] | Sin[\theta] Sin[\phi]
                                                                                                                                                                                                                                                                                                                                                                                   Cos [θ]
0 Cos [θ] Cos [φ]
                                                                                                                                                                                                    -Sin[φ] Cos[θ] Sin[θ]
                                                                 Sin[\phi]
                                                                                                                                                                                                                                                 Cos [φ]
                                  0 | Sin[\theta] | Cos[\phi] | Sin[\theta] | Sin[\phi]
                                                                                                                                                                                                                                                                                                                                                                                                Cos [θ]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    // MatrixForm // FullSimplify
                                  \theta Cos[\theta] Cos[\phi] Sin[\phi] Cos[\theta]
                         0 - Sin[\phi]
                                                                                                                                                                                                                                                              Cos [φ]
                                                                                                                                                                                                                                                                                                                                                                                                                            \beta \gamma \cos [\phi] \sin [\theta]
 -\beta \gamma \cos[\phi] \sin[\theta] \quad -\gamma \cos[\phi]^2 \sin[\theta]^2 + \cos[\theta] \left(-1 + \cos[\phi] \sin[\theta]\right) \sin[\theta] \quad -\gamma \cos[\phi] \sin[\theta]
       \beta \gamma \cos[\theta] \cos[\phi] - \gamma \cos[\theta] \cos[\phi]^2 \sin[\theta] - \left(\cos[\theta]^2 \cos[\phi] + \sin[\theta]\right) \sin[\phi] - \cos[\theta]^2 \sin[\theta] - \cos[\theta]^2 \cos[\theta]^2 \sin[\theta] - \cos[\theta]^2 \cos[\theta
                                                                                                                                                                                                                                                                                                     \mathsf{Cos}[\phi] \left( \mathsf{Cos}[\theta] \; \mathsf{Cos}[\phi] + \gamma \; \mathsf{Sin}[\theta] \; \mathsf{Sin}[\phi] \right)
                                              \beta \gamma Sin[\phi]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sin[\phi]
```