$$\left(\mathbb{S}^3 \setminus \{(0, -i)\}, \alpha_{\mathbb{S}^3}\right) \quad \rightarrow \left(\mathbb{R}^3, dz' + x'dy' - y'dx'\right) \cong \mathbb{C} \times \mathbb{R}; (z_1, z_2) \; \mapsto \left(\frac{iz_1}{i + z_2}, \frac{-\Re(z_2)}{|i + z_2|^2}\right); (cos\theta, \; sin\theta) \; \mapsto \left(\frac{c}{1+}\right.$$