

$$\bar{\mathbb{C}}=\mathbb{C}\cup 0=\frac{z/w}{z:w\neq 0:0}$$

$$\frac{u|v|w \in \mathbb{R}^3}{u^2+v^2+w^2=1} = \mathbb{S}^2 \xrightleftharpoons[\mathfrak{t}]{\mathcal{V}} \bar{\mathbb{C}}$$

$${}^{u:v:w}_{\mathfrak{v}} = \frac{u+iv}{1-w}$$

$${}^{x+iy}_{\mathfrak{t}} = \frac{2x|2y|x^2+y^2-1}{x^2+y^2+1}$$

$$4\,x^2 + 4\,y^2 + \left(x^2 + y^2 - 1\right)^2 = 2\,x^2 + 2\,y^2 + x^4 + y^4 + 1 + 2\,x^2\,y^2 = \left(x^2 + y^2 + 1\right)^2$$

$${}^z_{\mathfrak{t}} = \frac{z+\overline{z}|i\overbrace{\overline{z}-z}^{\widehat{z\,\overline{z}}}|\overline{z}z-1}{\overline{z}z+1}$$

$$z\wr w=\frac{2\sqrt{z-w}}{\underbrace{1+\lceil z\rceil^2}_{1/2}\underbrace{1+\lceil w\rceil^2}_{1/2}}\colon\;\;z\in\mathbb C\ni w$$

$$z\wr\infty=\frac{2}{\underbrace{1+\lceil z\rceil^2}_{1/2}}\colon\;\;z\in\mathbb C$$