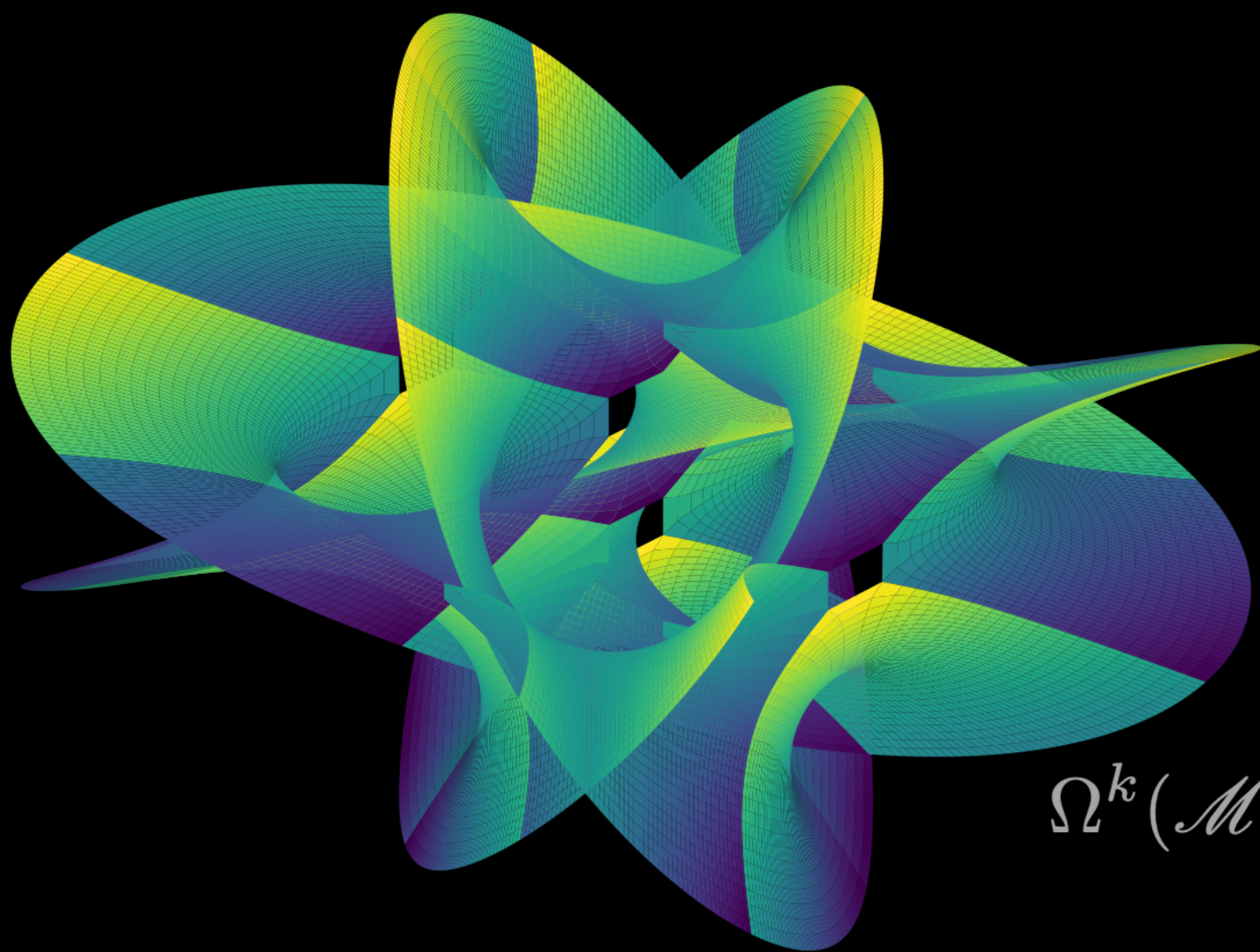
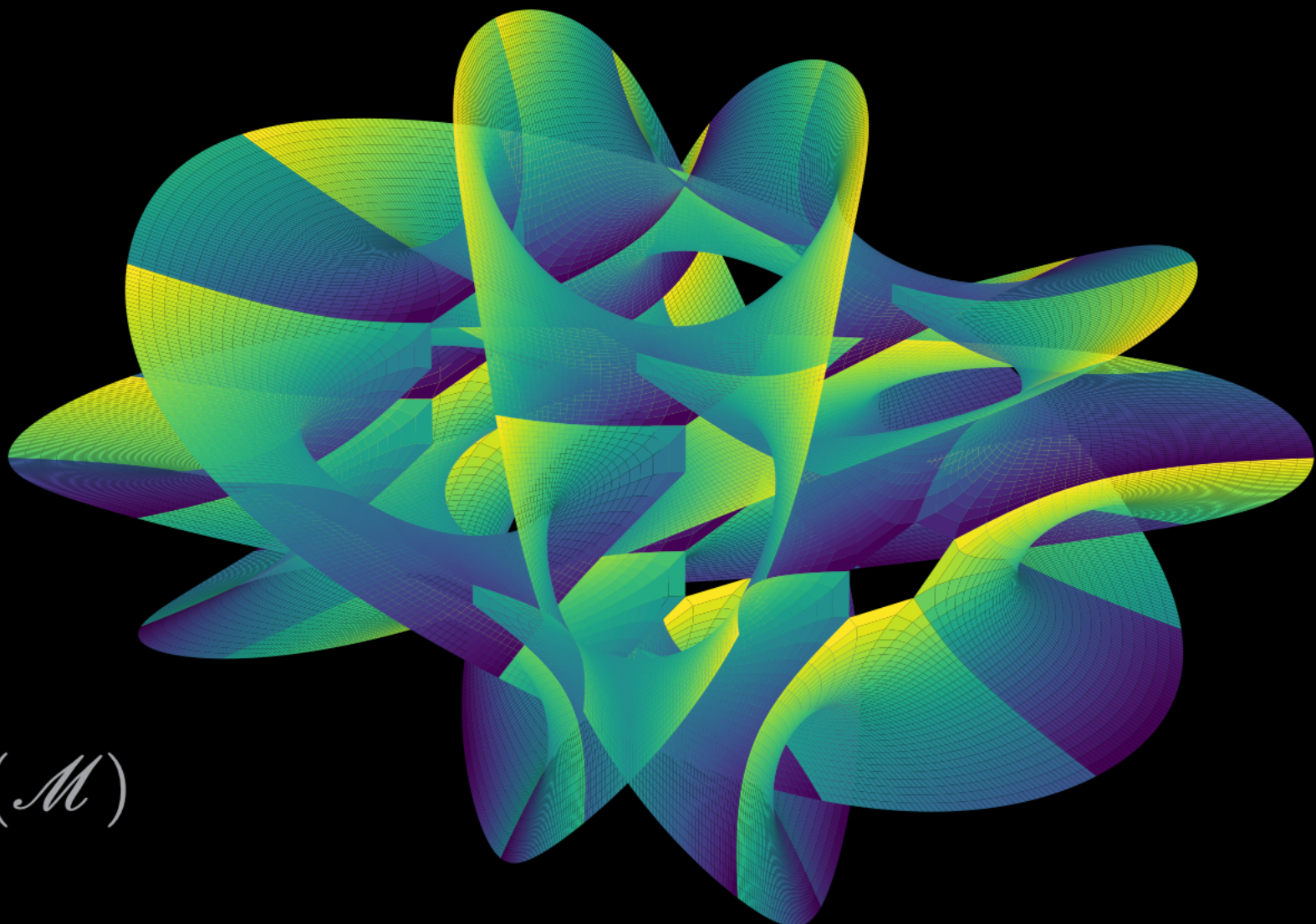


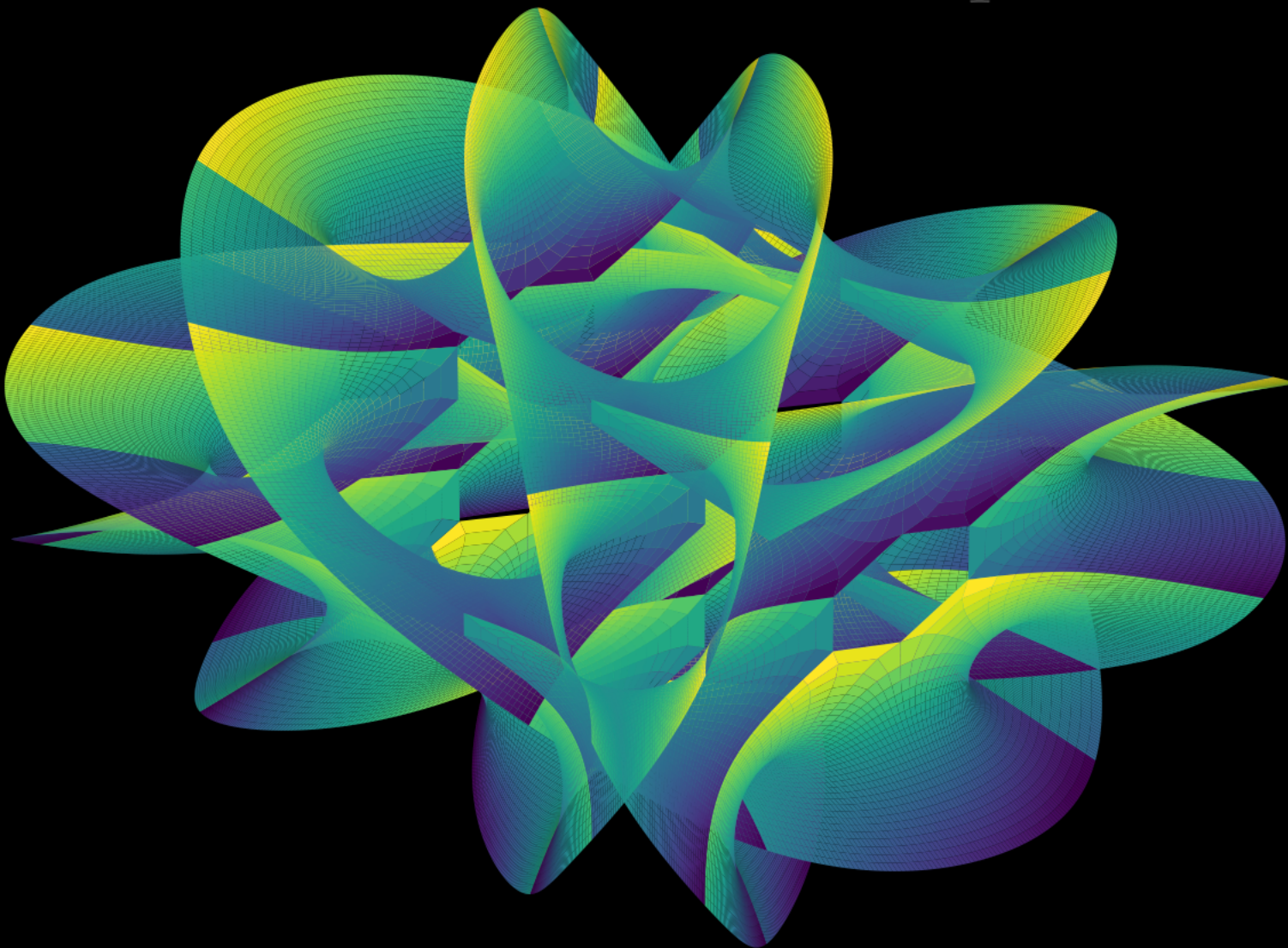


$$\Omega^k(\mathcal{M}) = \bigoplus_{p+q=k} \Omega^{(p,q)}(\mathcal{M})$$

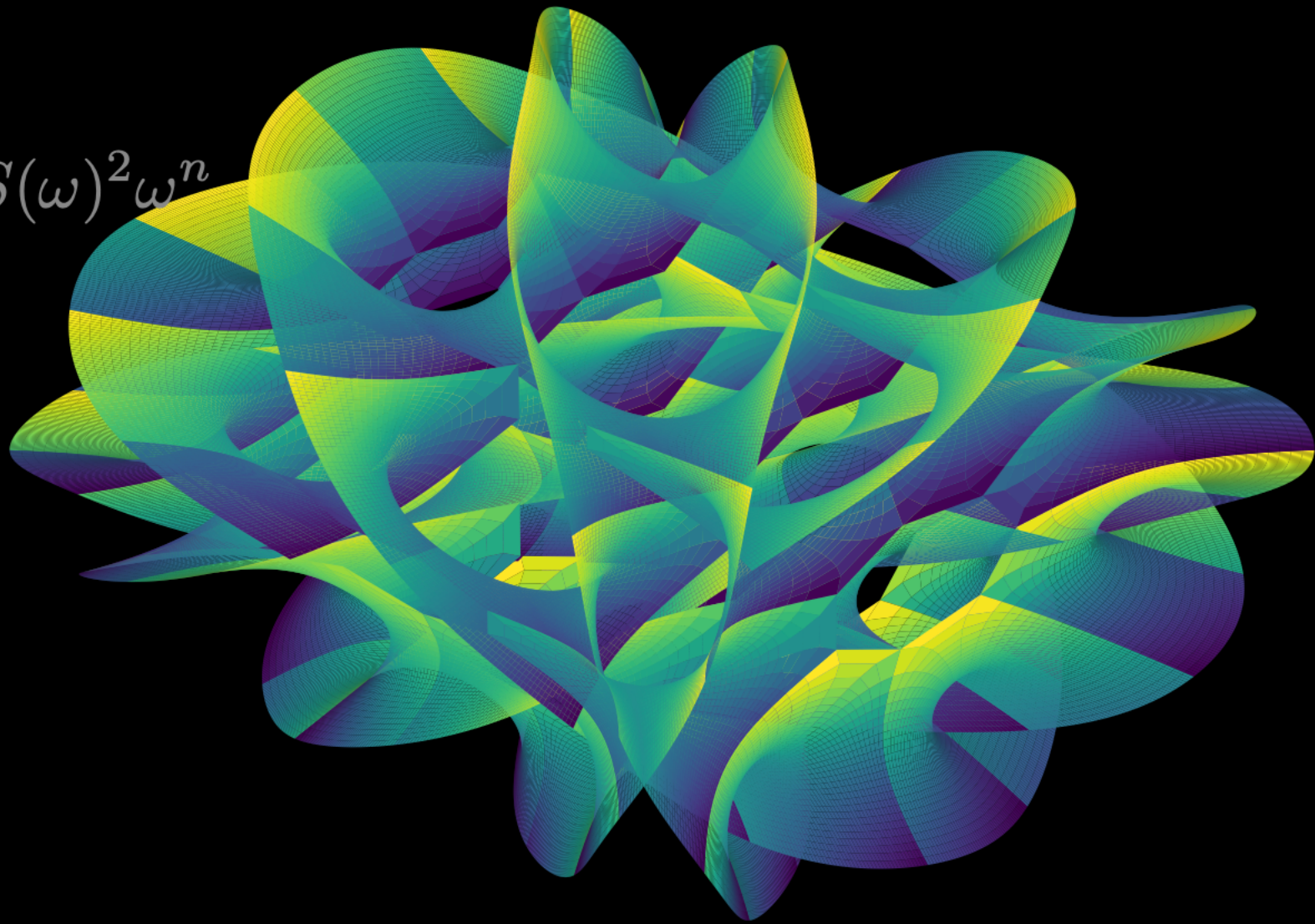


$$\varpi_j = \int_{\Gamma^j} \Omega$$

$$(\omega_0 + i\partial\bar{\partial}\varphi)^n = e^\varphi \omega_0$$



$$\text{Cal}(\omega) := \int_{\mathcal{M}} S(\omega)^2 \omega^n$$



$$R_{i\bar{j}} = -\partial_i \partial_{\bar{j}} \log \det(g_{p\bar{q}})$$

$$c_1(\mathcal{M}) = \frac{1}{2\pi} [\text{Ric}(g)] \in H^2(\mathcal{M}, \mathbb{R})$$