$j' : A \longrightarrow \mathbb{S}^*$ is a double cover of $\mathbb{S}^*$ branched at R^*. Let

$$\iota : A \longrightarrow A$$

be the involution of A that exchanges the sheets of $j : A \longrightarrow \mathbb{S}$, sending each pencil $L \subset X$ to the unique other pencil of X confocal with L; let

$$\iota' : A \longrightarrow A$$

similarly be the involution exchanging sheets of $j' : A \longrightarrow \mathbb{S}^*$, sending each $L \subset X$ to the other pencil of X coplanar with L.

We can now describe A intrinsically. First, from the expression of A as a double cover of $\mathbb{S}$ branched in the 16 points of R, we see that

$$\chi(A) = 2\chi(\mathbb{S}) - 16 = 2 \cdot 8 - 16 = 0.$$

「 Triangulate $\mathbb{S}$ so that R is a set of vertices.
$\Rightarrow$ In the course of passing from $\mathbb{S}$ to A, we have twice simplices in A as those of $\mathbb{S}$ except the points of R.
$\Rightarrow$ $\chi(A) = 2\chi(\mathbb{S}) - 16 \underset{\text{by P773}}{=} 2 \cdot 8 - 16 = 0$

」

We have seen that $K_\Sigma = 0$; let ω be a holomorphic nonzero 2-form on Σ.

「 By P770, $K_\Sigma = 0$. $K_M = \Lambda^2 T^* \Sigma = \Sigma \times \mathbb{C}$ $\Rightarrow$