p190 &

See p712 for $|4\pi^*\Theta - \sum E_i|$, and refer to p138.
Note that $\rho(\mu) = \rho(-\mu)$, for

rational map

$$\begin{tikzcd} A \arrow[r, dashed, "\rho"] \arrow[dr, "j"'] & \Sigma \arrow[d, "\pi"] \\ & S \end{tikzcd}$$

$\pi \circ \rho(-\mu) = j(-\mu) = j(\mu) = \pi \circ \rho(\mu)$ Nonsense

$\Rightarrow$ If $\rho(\mu) \in S - R$, since π is one to one, $\rho(-\mu) = \rho(\mu)$. If $\rho(\mu) \in R$, for example, $\mu = \mu_i$, then $\mu_i = -\mu_i$. $\Rightarrow \rho(-\mu_i) = \rho(\mu_i)$.

$\Rightarrow$ Just as in the case of j, since ρ is given by some translate $|4\Theta + \lambda|$ of $|4\Theta|$, we can show that $|4\Theta + \lambda| = |4\Theta|$.

To show that for each $\sigma \in H^0(A, \mathcal{O}(\rho^* H))$, σ passes all half-lattice points, choose any hyperplane H in $\mathbb{P}^5$. $\Rightarrow$ H intersects every line of 32 lines in Σ, since H & each line lie in $\mathbb{P}^5$. $\Rightarrow H \cap X_{p_i} \neq \phi$ $\Rightarrow$ This implies that H contains $\rho(j^{-1}(p_i))$, and $\rho^* H$ contain the lattice point $j^{-1}(p_i)$.

The map is 2-sheeted, branched exactly at the 16 exceptional divisors E_i of the blow-up.

$A - \{\text{half-lattice points}\} \xrightarrow{\rho} \Sigma$ is given by