

Typos in Hassett

- In the proof of Proposition 1.15. The linear transformation $\phi^*: P_{n,d} \rightarrow P_{n,d}$ satisfies

$$(\phi^* f)(x_1, \dots, x_n) = (f \circ \phi)(x_1, \dots, x_n).$$

This is not what is written in the text book.

- The map ϕ in problem 1.11b is clearly not a k -algebra homomorphism, here the author has to mean ϕ^* instead.
- The parameterization in #4 of Example 1.9 in the text book is not exactly correct. The parameterization on Noam Elkies' homepage shows that our book is missing a minus sign. The line

$$y_0 = (u_2 + u_1) \dots$$

should read

$$y_0 = -(u_2 + u_1) \dots$$

- If am very suspicious about Definition 3.45 on page 46. I don't believe that an arbitrary rational map $\rho: V \rightarrow W$ lifts to become a rational map $\rho': \mathbb{A}^n \rightarrow W$. (I would be happier if $\rho': \mathbb{A}^n \rightarrow \mathbb{A}^m$.)
- page 49: One of the elements of $I(W)$ is $x_5(x_5 - 1)$.
- The proof of Prop 3.57 on page 52: I think that ρ and ϕ have been used interchangeably.