

LECTURE NOTES UPDATE HISTORY

This file contains a list of corrections in the lecture notes. If you have printed out a certain version of these lecture notes, you can make corrections on your own copy following this file. I apologise for any inconvenience.

I am very grateful to those of you who pointed out the errors and helped improve the file. Please let me know if you find any further mistakes in the file, no matter how small they are. I will really appreciate your help!

Version 06 December:

The first completed version.

Version 07 December:

In the fourth last line in the proof of Theorem 1.18, $f_1(p) = 0$ has been corrected to $f_m(p) = 0$.

In the second line in the proof of Lemma 2.6, $f \in \mathbb{I}(V_2)$ has been corrected to $f \in \mathbb{I}(X_2)$.

Version 17 December:

In Example 5.15, the two \mathbb{P}^n should both be \mathbb{P}^2 . The last equation was also slightly adjusted.

In the second line of Definition 5.24, ‘a projective varieties’ was corrected to ‘a projective variety’.

In the third line of Example 1.9, ‘evething’ was corrected to ‘everything’.

Version 17 January:

In the line before Definition 3.17, the word ‘function’ and ‘map’ were switched.

In the first line in the proof of Lemma 5.16, ‘ $W \subseteq Y$ ’ was corrected to ‘ $W \subsetneq Y$ ’.

In the last sentence in the proof of Proposition 6.1, the subscript ‘ n ’ was corrected to ‘ m ’.