



CLASSICAL ALGEBRAIC GEOMETRY

4th problem sheet
Tutorial on 12 May 2015

1. Show that the (first) secant variety of the twisted cubic in \mathbb{P}^3 is all of \mathbb{P}^3 .
(*Suggestion:* Use the description of the secants given in the first lecture.)
([Ha], Ex. 8.6)
2. Let $V \subset \mathbb{P}^5$ be the Veronese surface. Find the equations of its secant variety.
([Ha], Ex. 8.8)