MATH 8254: ALGEBRAIC GEOMETRY II
HOMEWORK 7
DUE WEDNESDAY, MAY 3, 11:59 P.M.

INSTRUCTOR: SASHA VORONOV

Let [V] := Vakil.04.01.2023 and [H] := Hartshorne. Review your course notes as well as my own notes, which I have been posting while teaching online, study [V]: 19.1, 19.2.9-19.2.11; [H]: Appendix A.1-A.3.

Do **Exercises** [V]: 19.1.A, 19.1.B (ignore the cusp example), 19.2.A, 19.2.C; [H] A.6.3. **Here I mean Vakil's text version of 04/01/2023 and the only edition of Hartshorne's *Algebraic Geometry*.**

Submit the homework by the end of the due day, 11:59 p.m. Please submit it electronically to Gradescope at
`https://www.gradescope.com/courses/500650`,
which you can access through Canvas.