

The assignment concerns the paper Graph Minors. XII. Distance on a Surface (available for free download). The first three sections basically cover the content of the lecture, you can skip them. Section 4 gives several applications of the main result, which we will need in the next lecture. The rest of the paper concerns the effect of various surface and graph operations on respectful tangles and the distance functions derived from them; you can skip the proofs, but you should understand the operations, as we will be using them in the proof of the structure theorem. In section 7, you can skip the auxiliary lemmas at the beginning and only read (7.10) and (7.11). Write and send me a short summary of what you read.