Elements, Book VI
Reproduced Diagrams from Greek manuscripts

Comments

6-1 The diagram of codex F is lost.

6-7 Heiberg shows another diagram for the second case in which the angles at Γ and Ζ are not smaller than a right angle.

6-20 Codex F has an extra diagram in the side margin, which shows only one of the two polygons.

6-20 (Corollary 2) Codex P has this corollary in margin, without diagram. Heiberg does not give a diagram, though the line Ξ is mentioned in the text.

6-22 The diagram is divided into two parts in Heiberg’s edition, though they appear in the same page, separated by one line of the text. In Heiberg-Stamatis, they appear in facing pages.

6-22 (Lemma) Heiberg’s edition has no diagram for this lemma. Codex F has its diagram just below those for the main proposition (see diagram for 6-22).

6-29 Codex F has two diagrams for this proposition. One in the side (and lower) margin, which is partly lost. The other in the lower margin, which is also badly damaged.

6-30 The diagram of codex F is hardly visible on the microfilm image, so that we have given up its reproduction.

6-31 (Alternative proof) P has only the text (without diagram) of this alternative in the margin. Heiberg failed to report it in the apparatus (Heiberg 2:424, 1 and Heiberg-Stamatis 2:232, 7). V does not have the diagram. Anyway, there is no difference in the diagram between the main proposition and this alternative proof.

6-33 Though the points Ξ and Ο are used only in Theon’s addition which is included in the appendix of Heiberg’s edition (2:424ff., in Heiberg-Stamatis 2:233ff.), they appear in the diagram of Heiberg. Codex P, with the text of Theon’s addition only in margin, has the diagram for the main (original) proposition. Codices F, B have separated diagrams for Theon’s addition. Codex b have both, one beside the other. Codex V have only one diagram (one pair of circles) which contains the points and lines for Theon’s addition. The diagrams of Theonine manuscripts contain point Π between Ε and Ζ, which does not appear in the text.