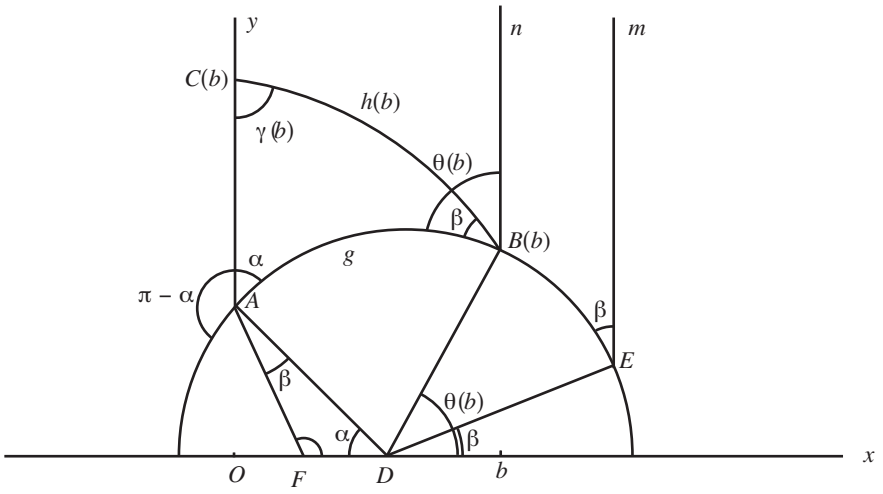

Figure 6.4

p. 10 Just before Proposition 5 replace "SAS" with "SSS".

p. 12 line 4: $\angle DCA > \angle ABC$

p. 19 line 1, replace "1.1.4" with "1.4.1".

p. 21 Exercise 10: Draw diagrams illustrating each of Hilbert's axioms.

p. 64 The second metric should be $\frac{dx^2+dy^2}{y^2}$

p. 76 Exercise 7: Delete "in the upper half-plane".

p. 76 Exercise 8: Delete this exercise.

p. 78 Exercise 2: Add period.

p. 83 Replace Figure 6.4 with the one above.

p. 83 lines 1, 3: Replace $(0, \pi - \alpha)$ with $(0, \pi - \alpha - \beta)$.

p. 83 line 2: Insert: For, as b approaches its lowest value, the radii of g and $h(b)$ at $B(b)$ form an angle β and must therefore have DA and FA as their limiting positions. Hence, $\gamma(b)$ has $\angle AFD = \pi - \alpha - \beta$ as its limiting value.

I am indebted to Dr. Wang Cheung for finding this error on page 83 and suggesting this proof.

p. 83 Exercise 7: Replace (2, 1) with (1, 2).

p. 97 Replace Exercise 6 with : Figure 7.7 is formed by joining the midpoints of the sides of a hyperbolic equilateral triangle. Compare each pair of the angles α, β and γ.

p. 108 Exercise 10: replace "Cosines" with "Sines".

p. 108 Exercise 19: Replace $2\ln((1+\sqrt{5}/2)2)$ with $2\ln(1+\sqrt{5}/2)$.

p. 190 Exercises 2, 3: These exercises should have been listed in Section 13.2. The points z_1, z_2, z_3 are distinct, as are w_1, w_2, w_3.

p. 193 Exercises 2: This exercise should have been listed in Section 13.2.

p. 244 Proof of Proposition 18. Let P be any point on a circle with center C and let T be any point distinct from P on the tangent at P. Since the point P must fall outside the circle, it follows that $CT > CP$ so that CP is the shortest line from C to the tangent. Consequently, the tangent is perpendicular to CT (see Euclid's Book 1 Proposition 24).

p. 249 line 1: Omit left parenthesis.

p. 251 line 2: Replace "...oeff.." with "begriff".

p. 251 line 5: Giornale

p. 251 line 7: Replace "et" with "e".

p. 252: line 17 Replace "L'" with "l'"

p.2 252: line 17: á

p. 252: line 17: Géométrie

p. 252 line 20: über

p. 252 Göttingen

p. 252 line -6 Über

p.252 line -6 Fälle

p.252 Reiher

p.252 line -4 Mathematik