

Errata and Clarifications Continuous Symmetry: Euclid to Klein

This currently short errata sheet will be updated as additional items are brought to our attention. We appreciate receiving not only errors to correct, but also suggestions for revisions and more general comments about the text.

William Barker, Bowdoin College, barker@bowdoin.edu

Roger Howe, Yale University, howe@math.yale.edu

I. Foundations of Geometry in the Plane.

Page 49, caption of Figure I.7.10. Triangle $\triangle de_0f$ should be $\triangle AB_0C$.

Page 78, Exercise I.10.2. Drop “distinct” in line one and add the following at the end: “if the lines m_1 and m_2 are distinct.”

II. Isometries in the Plane: Products of Reflections.

III. Isometries in the Plane: Classification and Structure.

Page 180, Exercise III.1.8a. In the hint change Theorem III.1.12b to Theorem III.1.12a.

IV. Similarities in the Plane.

Page 235, Proof of Prop IV.4.1, line 6. $\overrightarrow{\phi(x)y}$ should be $\overrightarrow{\phi(p)y}$.

V. Conjugacy and Geometric Equivalence.

VI. Applications to Plane Geometry.

VII. Symmetric Figures in the Plane.

VIII. Frieze and Wallpaper Groups.

IX. Area, Volume, and Scaling.