
As the title indicates, this Tome I is a second edition of Appell and Goursat's Fonctions Algébriques, with revisions by the late Fatou. Tome II, which will be reviewed in a later number of this Bulletin, is a new treatise on automorphic functions, composed entirely by Fatou.

The first edition of Appell and Goursat was published in 1895. Everybody is familiar with its beautiful chapters, in which the theory of algebraic functions and abelian integrals is developed with rare skill and consummate style. The second edition closely follows the first. Since there is no preface to explain the changes made, such changes can be determined only by a page to page comparison of the two editions. The most conspicuous modification is an improved treatment, in Chapter VI, of the theorem that every algebraic curve is birationally equivalent to a curve whose only singularities are double points with distinct tangents. There are other differences, but they are not fundamental. Through a slip, the page numbering in the table of contents is that of the first edition.

The republishing of this classic work will assure, for our younger students, the possibility of reading the theory of abelian integrals with the same enjoyment that their teachers derived from the original edition.

J. F. Ritt