Severi, Francesco

These volumes, the first four of a planned six, contain 142 mathematical papers of Francesco Severi (1879–1961), principally concerning algebraic geometry (surfaces) and function theory of two (or more) complex variables. Many of the earliest papers were reprinted previously in a severely revised/abridged form [the author, Memorie scelte, Vol. I { later volumes apparently never appeared}, (Bologna 1950; Zbl 0041.47605)]; they are reprinted here in their revised form.

The first volume has as frontispiece a mezzotint of Severi, his whitening hair coruscating into the design of the stone wall behind him, and a biography by B. Segre, which originally appeared elsewhere [Ann. Mat. Pura Appl., IV. Ser. 61, i–xxxvi (1963; Zbl 0107.24803)], with a bibliography of 404 items (including more than 40 books) from 1898 to 1963. One remarkable thing is that topics touched upon in the first volume recur later on (with deeper results); inversion theorems, theories of equivalence, correspondences, surfaces admitting a continuous group of birational transformations, base loci, intersection multiplicities, Riemann-Roch theorems, enumerative problems.

For further discussion of Severi’s works see another paper by B. Segre [Rend. Mat. Appl., V. Ser. 21, 524–584 (1962; Zbl 0106.00317)], which should also have been reprinted in this collection with the biography.

MSC:
01A75 Collected or selected works; reprints or translations of classics
14-03 History of algebraic geometry
32-03 History of several complex variables and analytic spaces
51-03 History of geometry

Keywords:
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Cited in 2 Reviews