THE NEW YORK CONFERENCE ON ALGEBRAIC GEOMETRY

In connection with the meeting of the American Mathematical Society in New York City, March 26–27, a conference on algebraic geometry was held on March 25. Twenty-seven persons were present. The purpose of the conference was to promote the application of methods of modern algebra to problems of algebraic geometry. By bringing algebraists and geometers together in informal discussion, it was hoped to secure an exchange of ideas and points of view which would be of value to both groups of mathematicians. That this hope was abundantly realized was evident from the general and spirited discussion that followed each of the scheduled talks.

The following papers were presented informally:

Formal power series in algebraic geometry, by Professor Solomon Lefschetz.

A generalization of Lüroth's Theorem and the existence of normal extension fields with a given Galois group, by Dr. O. F. G. Schilling.

Zero-dimensional ideals in rings of integral functions of several variables and their connections with the theory of singularities, by Professor Oscar Zariski.

The arithmetic of an algebraic variety, by Professor A. Weil.

R. J. Walker