

on differential geometry attracted considerable favorable attention, but he is best known by his work in analysis, particularly the "Fondamenti per la teoria delle funzioni di variabili reali," "La serie di Fourier," and the four volume treatise "Lezioni d'analisi infinitesimale," in which the foundations of the calculus are laid with greater rigor and greater generality than in any previous writings. He exercised a deep influence on the training of young mathematicians and on the organization of mathematical teaching in Italy. He was a member of the learned societies of all the countries of Europe.

PROFESSOR SIRO MEDICI, of the technical school at Florence, fell in battle October 22, 1917.

PROFESSOR M. BOTTASSO, of the University of Messina, died October 3, 1918, at the age of forty years.

PROFESSOR C. L. DOOLITTLE, of the University of Pennsylvania, director of the Flower Observatory, died March 3, 1919, at the age of seventy-five years.

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## NEW PUBLICATIONS.

### I. HIGHER MATHEMATICS.

- BIEBERBACH (L.). Differential- und Integralrechnung. 2ter Band: Integralrechnung. (Leitfäden für den mathematischen und technischen Hochschulunterricht, Band 5.) Leipzig, Teubner, 1918. 144 pp. Geb. M. 3.40
- BROWN (S. J.) and CAPRON (P.). Calculus. Annapolis, U. S. Naval Institute, 1918. \$3.35
- CAPRON (P.). See BROWN (S. J.).
- DINGELDEY (F.). See SALMON (G.).
- ENCYKLOPÄDIE der mathematischen Wissenschaften. Band III 1, Heft 6: M. Zacharias, Elementargeometrie und elementare nichteuklidische Geometrie in synthetischer Behandlung. Mit Zusätzen von W. F. Meyer. 2ter Teil (Schluss). Leipzig, Teubner, 1918.
- ENCYKLOPÄDIE der mathematischen Wissenschaften. Band III 2, Heft 7: C. Segre, Mehrdimensionale Räume. Leipzig, Teubner, 1918.
- FIEDLER (W.). See SALMON (G.).