

Trigonometric series, by A. Zygmund, 2d. ed., vols. I and II, Cambridge University Press, New York, 1959, 12 + 383 pp. and 7 + 354 pp., \$15.00 each or \$27.50 set

In his course at the University of Cambridge, Professor Littlewood used to call the first edition of Zygmund's book "the Bible." This second edition, coming almost twenty-five years after the first one, will undoubtedly deserve this name even more, not only because it takes into account the work done in the field during this period, but also because the author, profiting from new experience and constant reflection on his past work, has introduced many topics which had been left aside in the first edition.

The book is dedicated to the memories of two polish [*sic*] mathematicians, A. Rajchman and J. Marcinkiewicz, who met both with a tragic end during the last world war: Rajchman was executed by the Nazis, while Marcinkiewicz died under circumstances not yet fully explained. The first one Zygmund calls "his teacher," the second one "his pupil," but both have considerably influenced the mathematical thought of Zygmund, who had an equal respect to the genius of these two mathematicians of the celebrated Polish school.

As the author states in the Preface, he has deliberately left aside all recent extensions of the theory to abstract fields and the second edition is, as the first one, devoted to the classical theory.

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