

relating to curves and surfaces, maxima and minima, limits and infinite series, are especially praiseworthy.

JAMES PIERPONT.

*A Course in Mathematical Analysis*, by EDOUARD GOURSAT, Professor of Mathematics in the University of Paris; translated by EARLE RAYMOND HEDRICK, Professor of Mathematics in the University of Missouri. Volume I. Ginn and Company, Boston, 1905. 8vo. viii + 548 pp.

THE French edition of this work was published in 1902, and it was reviewed in the BULLETIN.\* While it is true that advanced students of mathematics recognize the necessity of learning to read mathematical French and German, and equip themselves duly in this respect, the undergraduate finds the additional difficulty of a foreign language a serious handicap in the use of a mathematical text-book. And yet it is precisely for the undergraduate, the student in the second course in calculus and the first course in the theory of functions, who is perhaps preparing to specialize in applied mathematics and will not carry his study of analysis beyond the undergraduate courses, that Professor Goursat's book contains so much which is important but at present is not to be found in English text-books. Professor Hedrick has prepared the translation with great care and has made it a worthy reproduction of this standard work. In his preface he says: "Few alterations have been made from the French text. Slight changes of notation have been introduced occasionally for convenience, and several changes and additions have been made at the suggestion of Professor Goursat, who has very kindly interested himself in the work of translation." To the publishers is due much credit for the excellent typography of the book. Niceties of spacing and arrangement of the formulas, which hitherto have usually been neglected by American and English printers, here contribute to make the page extremely attractive.

WM. F. OSGOOD.

*Elementary Modern Geometry. Part I.: Experimental and Theoretical, Triangles and Parallels.* By H. G. WILLIS. Oxford, Clarendon Press, 1905. v + 236 pp.

THE order of sequence of the adjectives in the above title might lead to a misunderstanding; the subjects treated are those

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\* Cf. BULLETIN, ser. 2, vol. 9 (1902-03), p. 547.