

1. Record Nr.	UNINA9910788882703321
Autore	Ostaszewski Krzysztof <1957->
Titolo	Henstock integration in the plane // Krzysztof M. Ostaszewski
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 1986 ©1986
ISBN	1-4704-0769-8
Descrizione fisica	1 online resource (118 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; Volume 63, Number 353
Disciplina	515.8/3
Soggetti	Henstock-Kurzweil integral
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"September 1986, volume 63, number 353 (first of 3 numbers)."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Table of Contents""; ""Introduction""; ""Chapter 1: Henstock integral""; ""Derivation bases""; ""Derivatives""; ""Henstock integral""; ""Variation""; ""Variational integral""; ""Various ways to define the Henstock integral""; ""Additive bases""; ""Chapter 2: Derivation bases on the plane""; ""Perron integral""; ""Specific bases on the plane""; ""Basic properties of the bases defined""; ""Absolute integration""; ""Lebesgue integral""; ""Comparison of nonabsolute integrals""; ""Differentiation of integrals""; ""Continuity of interval functions""; ""Chapter 3: Generalized Fubini Theorem"" ""Product bases""""Fubini Theorem""; ""Corollaries to the Fubini Theorem""; ""Tolstov's counterexample""; ""Chapter 4: The integral of Kempisty""; ""Functions absolutely continuous in the sense of Kempisty""; ""Burkill integral""; ""Properties of derivatives and the Burkill integral""; ""Semi-absolutely-continuous functions""; ""The relationship between the Kempisty integral and the $I_{[2]}$-integral""; ""Lebesgue integrability on a nontrivial subinterval""; ""The integrals of Mawhin and Pfeffer""; ""Chapter 5: Approximate derivation bases""; ""Density topologies on the plane"" ""Filtered bases""""Approximate bases""; ""The integral of Chelidze and Dzhvarsheishvili""; ""The relationship of the CD-integral to the other integrals""; ""Bibliography""

