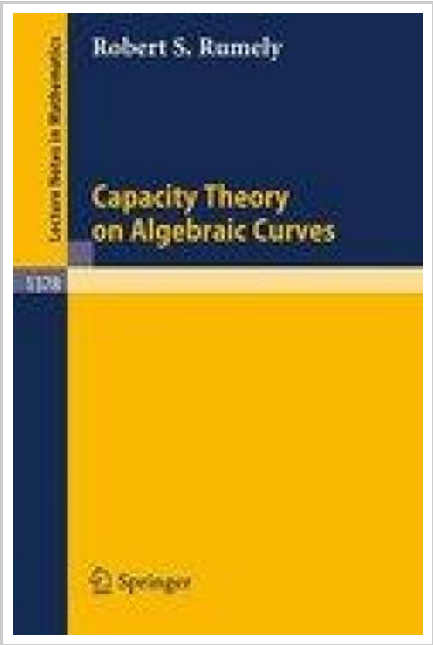

Capacity Theory on Algebraic Curves

By Robert S. Rumely

Springer Jul 1989, 1989. Taschenbuch. Book Condition: Neu. 235x155x23 mm. This item is printed on demand - Print on Demand Titel. - Capacity is a measure of size for sets, with diverse applications in potential theory, probability and number theory. This book lays foundations for a theory of capacity for adelic sets on algebraic curves. Its main result is an arithmetic one, a generalization of a theorem of Fekete and Szegö which gives a sharp existence/finiteness criterion for algebraic points whose conjugates lie near a specified set on a curve. The book brings out a deep connection between the classical Green's functions of analysis and Néron's local height pairings; it also points to an interpretation of capacity as a kind of intersection index in the framework of Arakelov Theory. It is a research monograph and will primarily be of interest to number theorists and algebraic geometers; because of applications of the theory, it may also be of interest to logicians. The theory presented generalizes one due to David Cantor for the projective line. As with most adelic theories, it has a local and a global part. Let /K be a smooth, complete curve over a global field; let Kv denote...

Reviews

This book is great. It is writter in simple words and not difficult to understand. I discovered this pdf from my dad and i suggested this ebook to find out.

-- ***Prof. Webster Barrows***

This ebook is fantastic. We have read and i also am confident that i am going to going to read through again yet again in the future. I am easily can get a pleasure of reading a published ebook.

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