



## Quasiconformal Teichmuller Theory (Hardback)

By Frederick P. Gardiner, Nikola Lakic

American Mathematical Society, United States, 1999. Hardback. Book Condition: New. 256 x 178 mm. Language: English . Brand New Book. The Teichmuller space  $\mathcal{T}(X)$  is the space of marked conformal structures on a given quasi conformal surface  $X$ . This volume uses quasi conformal mapping to give a unified and up-to-date treatment of  $\mathcal{T}(X)$ . Emphasis is placed on parts of the theory applicable to non compact surfaces and to surfaces possibly of infinite analytic type. The book provides a treatment of deformations of complex structures on infinite Riemann surfaces and gives background for further research in many areas. These include applications to fractal geometry, to three-dimensional manifolds through its relationship to Kleinian groups, and to one-dimensional dynamics through its relationship to quasi symmetric mappings. Many research problems in the application of function theory to geometry and dynamics are suggested.



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