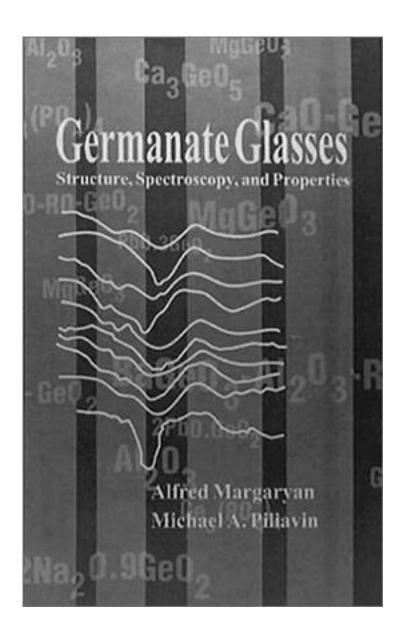
Germanate Glasses



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This work presents a comprehensive source of information on germanate glasses. It describes in detail the structures, properties, and glass forming abilities of various germanate systems, then shows how to create new and established varieties of glasses with precision and accuracy. "Germanate Glasses" begins with a review of glass state physics and chemistry, then moves into detailed chapters describing germanium dioxide; GeO2 glasses; binary, ternary, and multicomponent glasses; fluoride-containing germanate glasses; and pseudo-ternary fluoro-germanate systems. These chapters present up-to-date research on each glass type, including x-ray and neutron studies, optical properties, spectroscopic data, and more. Numerous references are included at the end of each chapter. For researchers, designers and fabricators of germanate glass, this book: shows how composition and structure relate to glass forming ability, and sets out to cut design time and eliminate unnecessary experiments by knowing ahead of time what will and will not work.