

Abstract Submitted
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Increase of Memory Storage in Silver doped Glassy Alloy D
SHARMA, 2006 — In this recent work, light is shown how memory storage of silver doped SeIn glassy alloys is increased and how this material shows dynamic behavior. The presence of electric field across the material is observed as a function of frequency ranging from 500 Hz to 500 kHz. The SeIn alloy is studied for composition of Se₉₀In₈Ag₂ and shows the presence of one plateau at lower frequency from 500 Hz - 5 Hz in the real part of dielectric constant and shows two plateaus for higher frequencies from 5 kHz - 500 kHz. The imaginary part of dielectric relaxation shows two dynamic peaks for higher frequencies with an indication of having larger memory storage and makes this glassy alloy useful for memory storage devices for higher frequencies. Keywords: Memory storage, dynamic behavior, glassy alloy, electric behavior silver.

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