

Universality of the magnetic irreversibility line in metglasses and superconductors

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The measured temperature dependences of magnetization of metallic glasses and superconductor are analyzed. Their common feature is irreversibility of magnetization: below a certain temperature value T^* the magnetization values measured at a fixed magnetic-field strength differ after cooling in a magnetic field (M_{fc}) and without it (M_{zfc}). It is shown, that for all of the samples the $T^*(H)$ is universal and fits well the theoretical dependence of de Almeida-Thouless ($T^* \sim H^{2/3}$) all over the measuring magnetic field range.

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