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An Interaction quench of strongly correlated heavy-light fermion mixtures KHADIJEH NAJAFI, JIM FREERICKS, Georgetown University — We use nonequilibrium dynamical mean-field theory to study the strongly correlated heavy-light fermion mixtures after making quench of its interaction parameter. We consider mixture of spinless heavy-light fermion at nonzero temperature and perform the sudden quench of the interaction parameter between the homogeneous metallic and insulating phase. Furthermore we present our result for the case of slow ramps and discuss about the possible optimized ramp for these system. We also discuss how close the system is to a thermal state after the quench of the interaction.

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