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Dynamical properties of the pairing gap in ultra-cold Fermi gases MAXIM DZERO, DOE Ames Laboratory, EMIL YUZBASHYAN, Rutgers University — We study the dynamics of a condensate of an atomic ultra-cold Fermi gas following an abrupt change in the pairing strength. At long times the order parameter asymptotes to a constant value, which we determine exactly. Under certain conditions, the system reaches a novel steady state with peculiar properties.

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