Restoration of Old Motion Picture Film by Computer

Abstract: Old motion picture films are known to be highly valuable sources in our culture and history, but they have been degraded by mechanical friction and/or aging on the film surface, such as blotches, scratches, and flickers, etc. In this class of the Team-based Engineering Design Course, we aim to develop a set of computer software for automatic restoration of old motion picture film using MATLAB and Simulink.