

The goal of this thesis was to develop a set of libraries for the AGE project. The libraries implement common transform, convolution (both high and low frequency) and color filters. The libraries also include an implementation of one-dimensional panoramas of overlapping images. All of the functionality is designed to seamlessly fit into the AGE project class structure. In order to present the main results of the thesis a simple graphical editor was created as part of the thesis. The editor supports generation of panoramas as well as application of all the implemented filters to bitmap and vector images.