The idea about equalization procedure is given in Fig. 3.1.1. The global histogram treats all the region of the image equally; hence it always results in poor local performance in terms of detail preservation. Therefore, several local image enhancement algorithms, for example, regionally adaptive histogram equalization, adaptive unsharp masking, have been introduced to improve enhancement [7]–[8]. However, proper control still not achieved. Spatial domain enhancement involves big complexity if image need good enhance result.