Abstract

Quality control is imperative in any industry. Inspection of ceramic tile is done in conditions like noise, extreme temperature, and humidity. There are several stages through which we can maintain quality of a tile. These stages include inspection of color variation in a tile, chip offs in a tile, surface defects in a tile. This paper provides analysis of techniques which are useful to find surface defects like crack, blob, hole, variation in color, defect in corners, and pattern mismatch in tile which has pattern on it.

References

- Costas Boukouvalas et al., DIBE, University of Genoa, 16145 Genova, Italy, pp. 49-54. "An Integrated System for Quality Inspection of Tiles."

**Index Terms**

Computer Science  
Image Processing

**Keywords**

Canny edge detection  
image processing  
thresholding  
contrast stretching.