IMPLEMENTATION OF IMPROVED DARK CHANNEL PRIOR FOR FOG REMOVAL

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This method represents an enhanced DCP-based image fog removal method with unpremeditated transmission map to avoid fog like particles from images. The transmission maps are computed for two color spaces (RCB and Y color space). The two transmission maps are improvised by preserving edges for constructing two intermediate images for RGB and Y color spaces, which are then merged by HIS image fusion to get the enhanced fog removal output. The proposed method produces resultant image which has better results based on quality which is more attractive to the human vision structures.

Keywords— Dark channel, Atmospheric light, Transmission map defogging, Image Fusion.

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