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(57) Abstract :
The present invention relates a method for contrast enhancement of color images using optimized fuzzy intensification. The method comprising steps: Step 1: Extract the Red, Green, and Blue channels separately and normalize each channel for better input understanding; Step 2: Define a variable for bright and dark intensities for each normalized channel; Step 3: Add membership function for input defined variable; Step 4: Define the output variable and find out the membership function; Step 5: using parameter and fuzzy inference system an appropriate intensification operator for the given image is calculated for each channel to observe the pixels of the output image; Step 6: obtain output. The system (100) comprises an image dataset unit, an image input unit, an image color channel unit, a defined input variable for bright & dark unit, an add membership functions unit, an output variable and membership functions unit, a evaluate FIS unit; an output.

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