

Clothing Pattern Recognition

Abstract:

- Choosing clothes with complicated patterns and colors could be a difficult task for visually impaired individuals.
- Clothing pattern recognition is a camera-based paradigm system that acknowledges covering patterns in four classes (plaid, striped, pattern less, and irregular) and identifies eleven covering colors.
- Based on statistics from the World Health Organization (WHO), there are more than 161 million visually impaired people around the world, and 37 million of them are blind.
- Choosing clothes with suitable colors and patterns is a challenging task for blind or visually impaired people.
- They manage this task with the help from family members, using plastic braille labels or different types of stitching pattern tags on the clothes or by wearing clothes with a uniform color or without any patterns.
- Automatically recognizing clothing patterns and colors may improve their life quality.