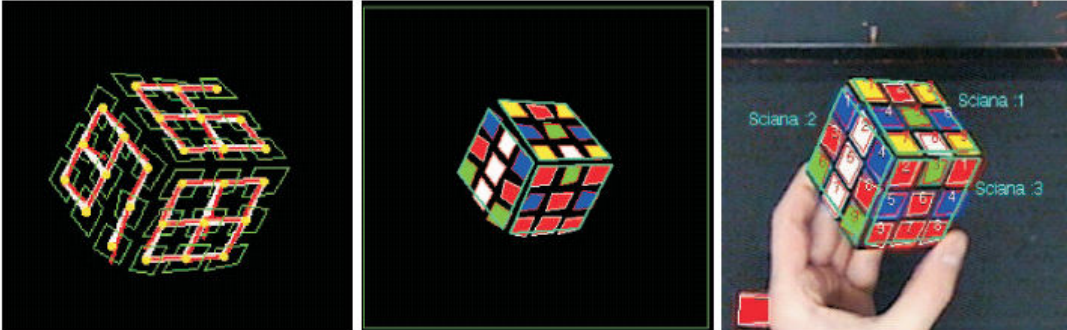


Project no. 2 (2 persons)

Image structure description generation due to homogeneous region- and line segment- detection (the detection of topological and geometrical relations between image segments).



Especially following steps are required:

- (a) (P1) Edge chain detection by the Canny operator.
- (b) (P2) Homogeneous region detection.
- (c) (P1) Approximation of edge chains by line segments. Creating a symbolic representation of line segments.
- (d) (P2) Creating a symbolic description of homogeneous regions.
- (e) (P1, P2) Detecting topological and geometrical relations between all segments.
- (f) (P1, P2) Perform an on-line presentation of the results in a graphic window (with the original image in the background). Prepare a short report.