



PÉCSI TUDOMÁNYEGYETEM UNIVERSITY OF PÉCS

University of Pecs

Pollack Mihaly Faculty of Engineering and Information Technology



Diffusion in image Processing Course CHALLENGE NO.1.

„THE COCA-COLA PROJECT”



The goal is an automated industrial inspection. You can imagine that there is a conveyor belt that produces the bottles continuously. We have a camera where from we have a set of images. The lighting conditions, the position of the bottles are near constant. You have to develop a vision software for a hypothetical company that automatically identifies a lot of producing faults (filling, labelling, capping). You have to work with the middle bottles only.

The Matlab based visual inspection system answers the following properties:

1. the bottle is under-filled,
2. the bottle is over-filled,
3. the label is missing,
4. the label is not straight,
5. bottle cap is missing,
6. (bottle is deformed).

Have a good work!

Adam Schiffer, PhD

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