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Human Attention

Measuring human attention using OpenCV

Background

- Human Attention: THE POSSIBILITY OF MEASURING HUMAN ATTENTION USING OPENCV AND THE VIOLA-JONES FACE DETECTION ALGORITHM. JONATAN CÖSTER & MICHAEL OHLSSON
- Measuring Student Attention with Face Detection: VIOLA-JONES VERSUS MULTI-BLOCK LOCAL BINARY PATTERN USING OPENCV. ANNA LINDELÖF & JOSEFINE ERIKSSON
- KTH Royal Institute of Technology in Stockholm

Background

- Analysis of Human Attention toward Context related Images for Understanding Visual Information Processing.
- An Intelligent Human Robot Interaction Framework to Control the Human Attention.
- A Robotic Framework for Shifting the Target Humans Attention in Multi Party Setting.
- Attention Level Approximation of a Conversation in Human Robot Vocal Interaction Using Prosodic Features of Speech.
- Human Attention Based Regions of Interest Extraction Using Computational Intelligence.

Background

- Human Attention Estimation by a domestic Service Robot Using Upper Body Skeletal Information.
- Measurement and Prediction of Situation Awareness in Human Robot Interaction based on a Framework of Probabilistic Attention.

Scope

- **Make an app using OpenCV capable of detecting if somebody is paying attention based on the Viola-Jones algorithm.**