The goal of the project is to enable Viola Jones for Hand-Gesture Detection.

**Viola Jones:**
- Feature Based
- Quick
- Robust
- Can Run in real time
- Integral Image

**Challenges:**
- Feature Fine Grain
- Large inter posture similarity
- Large intra posture variety

**A Scheme for Four Gesture Decoder**
- 12 Decoders, one for each postures-pair (Flat-Spread, Flat-Left, Flat-Right, etc.)
- Selection based on box location, consistency and classifier score
- Search box locks after first round to reduce search time

**Experimental Results**
- 18/20 Synthetic images detected correctly
- Needed 200-400 classifiers up to 20 rounds