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- 1. Twists and rotations make the movement of the human body fully three-dimensional.
- 2. Each body part continuously moves in and out occlusion from the view of the cameras, such that each of them can see only a chunk of the whole trajectory.
- 3. Some body parts can be hidden to the view by other parts. Whenever it happens, the system should be able to correctly recognize the hidden markers as soon as they reappear without any intervention by the operator.
- 4. Chunks from the different cameras have to be correctly matched and integrated to obtain a complete motion description.
- 5. Each trajectory has to be associated with the corresponding body marker (labeling).
- Reflexes, which do appear in natural environment and are erroneously detected as markers, have to be automatically identified and discarded.
 Laboratory of Applied Intelligent Systems























































































