Abstract:
This pilot study shows an approach to generate a man-model-based anthropometry description. With the video-based software PCMAN, which has the same model structure as the DHM Ramsis, the individual anthropometry of a subject can be measured manually and expressed by a set of 476 model parameters. On the basis of 140 available anthropometric data sets statistical analysis has been done and four factors could be identified which allow for a good general description of human body shapes. Having shown the applicability of the approach the described method would now have to be applied to large, high quality data sets from body scans.