Abstract

Producing 3D cloths for different body sizes from 2D patterns of any size has recently gained attention in both academic and industry fields. Most of the classical patterns in old books and magazines are available only in hardcopy forms. Thus, there is a need to produce softcopies of those patterns in the old books and magazines. In this research work, efficient solutions for these two issues are provided. First, a specific pattern size given any size pattern is automatically generated. This greatly facilitates the generation process of different size patterns in the apparel industry. Second, the design of customized apparel products provided in hardcopy images is fully automated. This automation process can greatly improve the efficiency of cloth production in the apparel industry.

References

Index Terms

Computer Science

Image Processing
Keywords
Garment industry  3D clothes  Cloth modeling