Using Luminous Fabric in Creating Fashion Designs for Women inspired by Greek's Costumes

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Abstract:  
Fabric has always been one of the indispensables of human's lives. The concept of design was always there, and then the technology was involved. With the inclusion of technology to the textile world, vision of design expanded beyond dreams and now illuminated fashion products are introduced. A growing number of designers and apparel manufacturers are attempting to integrate lighting into their products. The two domains need to be brought together, to bridge the division between aesthetics and technology because whenever technology signifies change, fashion realizes this change, and vice versa. When high-tech meets high-fashion, every design ought to incorporate practical functions and features as well as having a fine and fashionable look. The research aims to evaluate the luminous fabric comfort properties (surface roughness and air permeability) and add aesthetics to fashion designs by using luminous fabric in creating fashion designs for women inspired by Greek’s costumes. According to investigations, luminous fabric has a smoother surface compared with cotton and polyester fabrics and has very high porosity. It can be assumed that it is permeable. Luminous fabric adds aesthetics to designs, which enhances the objective of technology/design.

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