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Title: Technical analysis of a unknown textile

Abstract:

A textile fabrication is the medium for apparel designers. Design is not just about aesthetics; to achieve a certain final performance in a garment all aspects of the design and construction process must be evaluated, including the textile. When working as a designer, where the material used is a textile fabric, it is imperative to know all characteristics of the textile. In the apparel industry there are diverse arrays of textiles available. Designers need to understand what fabric is appropriate to the design by understanding both performance and serviceability characteristics of the textile. Textile decisions are not just about aesthetics. Comfort, care, and durability decisions require knowledge of what composes a certain textile. A research project was set up to fully understand the unique characteristics of a particular textile. Fiber content, yarn type, fabrication method, finishing processes, and coloration method were tested to see how these characteristics affected the performance of the textile.

Keywords:

Textile, apparel, design