

IMPACT OF THE SEAM ANGLES ON THE DRAPE BEHAVIOUR OF TEXTILE FABRICS

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ABSTRACT

Criteria for qualitative evaluation of garment appearance quality as the evaluation of garment appearance quality can be done on the basis of the visual appearance of the garment form, reflected as 3D behavior of the fabric built-in, the model for qualitative evaluation of garment appearance quality is constructed on defining the Aesthetic appearance (such as garment drape), Required form - 3D shape of the garment and Quality of the fit. This study aims to determine the influence of seam angles positions on the drape behaviour in terms of drape coefficient, drape nods, nods numbers. For the experimental work four fabrics were sewn with three different stitch types (stitch 301, stitch 504, and stitch 515) in various angles (0°, 30°, 45, 60°, 90°). Results of drape coefficients and nods shape and number were statistically analyzed. Investigating the drape on fabric with seams can improve apparel design and fabric end-use applications.

KEYWORDS: *Drape Coefficient, Drape Nods, Nods Number, Seam Angle & Stitch Types*

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