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## **Designing of linen fabrics for clothing**

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Introduction: The aim of our investigation is to create 5 differen weaving loom setting.

Materials: Warp and weft yarns were linen yarns 50 tex. Warp was bleached linen yarns and weft was of natural color and bleached linen yarns. <u>Method:</u> Software; "Audiniai" for the weaving loom setting parameters (yarn raw material, linear density, warp and weft settings, fabric weaves and plans of weave, warp and weft color repeats and real fabric simulations) Woven textile company; "Klasikinė tekstilė". Finishing; washed, rinsed, and softened. <u>Structure of the fabrics:</u> Warp setting was 200 dm<sup>-1</sup>; weft setting was 177 dm<sup>-1</sup>. Warp was drawn-in in straight draft into 8 harnesses. <u>Results:</u> 10 fabrics were created using the same warp yarn, straight draft into 8 harnesses and warp setting. 5 different weaves and each of two color repeats. <u>Conclusion</u>: All the designed fabrics can be woven using the same weaving loom setting. Good weavability of almost all designed fabrics, except of the fabric 3, because the crimp of two warp threads in the weave warp repeat differ from the crimp of other warp threads.

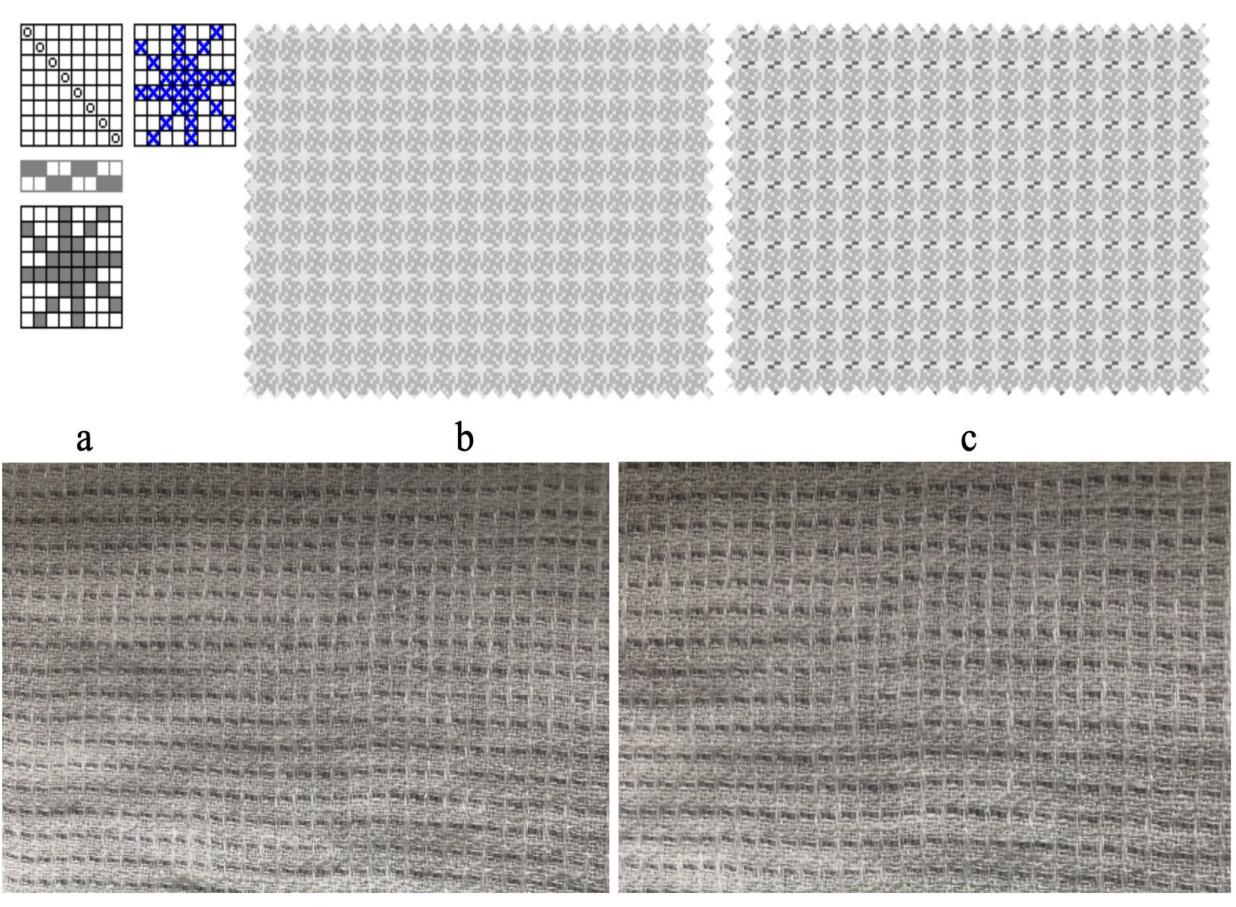


Fig 1. fabric n°2

## Introduction: The aim of our investigation is to create 5 different weaves each with 2 different weft color repeats of linen woven fabrics for clothing adapted to the existing

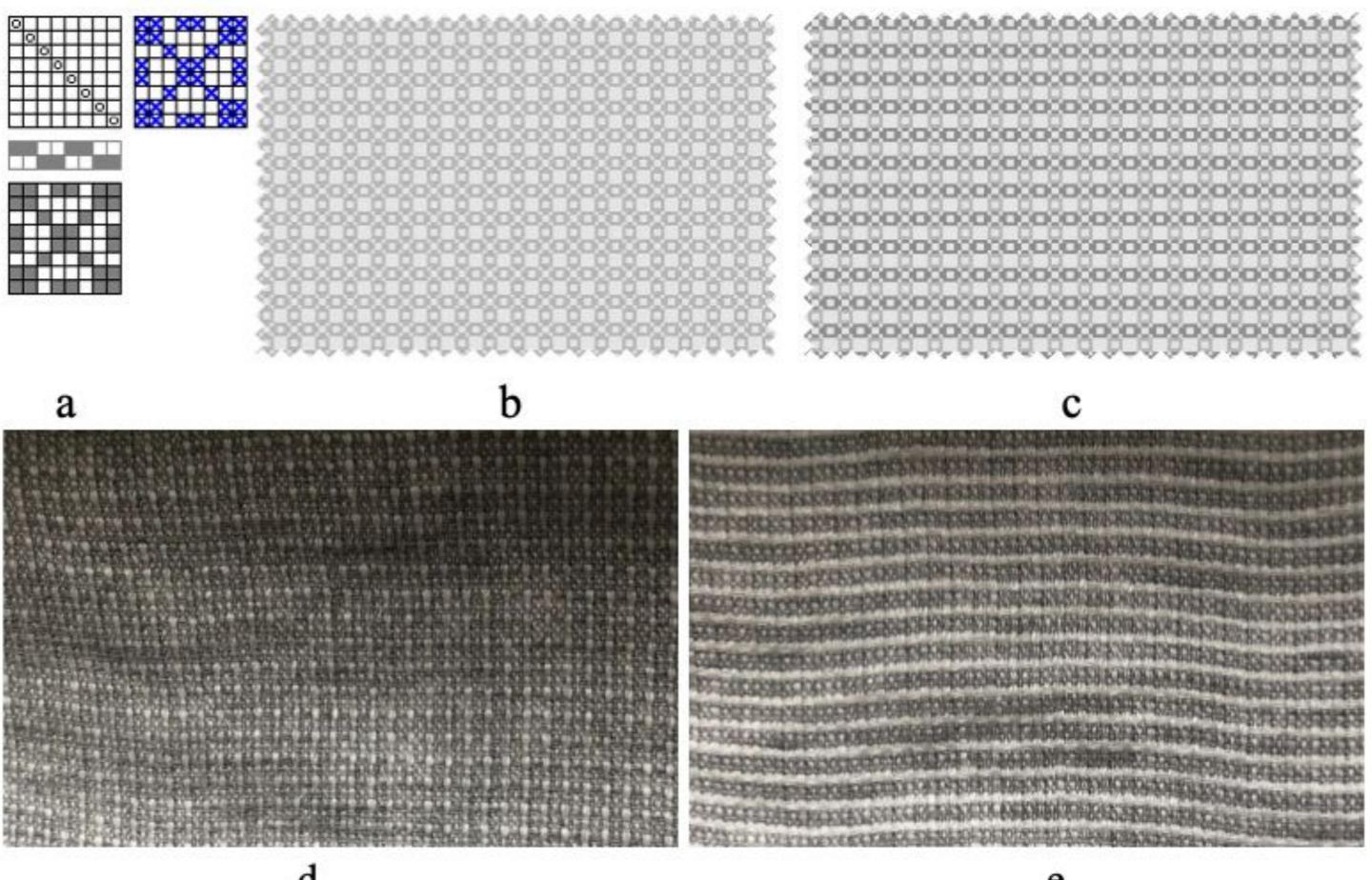


Fig 2. fabric n°3

