

References

1. Barbero EJ, Trovillion J, Mayugo JA, Sikkil KK. Finite Element Modeling of Plain Weave Fabrics from Photomicrograph Measurements. *Composite Structures* 2006; 73: 41-52.
2. Hivet G, Boisse P. Consistent 3D Geometrical Model of Fabric Elementary Cell. Application to a Meshing Preprocessor for 3D Finite Element Analysis. *Finite Elements in Analysis and Design* 2005; 42: 25-42.
3. Xu H-Y, Jiang J-H, Chen N-L, Lin F-B, Shao H-Q. Finite Element Modeling for the Uni-Axial Tensile Behaviour of Metallic Warp-Knitted Fabric. *FIBRES & TEXTILES in Eastern Europe* 2018; 26, 2(128): 49-54. DOI: 10.5604/01.3001.0011.5738.
4. Sherburn M, Long A, Jones A, Crookston J, Brown L. Prediction of Textile Geometry Using an Energy Minimization Approach. *Journal of Industrial Textiles* 2012; 41, 4: 345-369.
5. Zhang A, Li X, Sha S, Jiang G. Warp-Knitted Fabrics Simulation Using Cardinal Spline and Recursive Rotation Frame. *Journal of Engineered Fibers and Fabrics* 2017; 12, 3: 29-38.
6. Barburski M, Masajtis J. Modelling of the Change in Structure of Woven Fabric under Mechanical Loading. *FIBRES & TEXTILES in Eastern Europe* 2009; 17, 1(72): 39-44.
7. Szablewski P.; Numerical Modelling of Geometrical Parameters of Textile Composites. *FIBRES & TEXTILES in Eastern Europe* 2008; 16, 6(71): 49-52.
8. Başer G. Modeling of Complex Fabric Structures by Methods of Computer Simulation. *Journal of Textiles and Engineer* 2015; 2, 22(98).
9. Kurbak A, Ekmen O. Basic Studies for Modeling Complex Weft Knitted Fabric Structures Part I: A Geometrical Model for Widthwise Curling of Plain Knitted Fabrics. *Textile Research Journal* 2008; 78, 3: 198- 208.
10. Lomov SV, Gusakov A V, Huysmans G, Prodromou A, Verpoest I. Textile Geometry Preprocessor for Meso-Mechanical Models of Woven Composites. *Composites Science and Technology* 2000; 60: 2083-2095.
11. Lomov SV. Hierarchy of Textile Structures and Architecture of Fabrics Geometric Models. *Textile Research Journal* 2001; 71, 6: 534-543.
12. Guo K, Wang X, Wu Z, et al. Modelling and Simulation of Weft Knitted Fabric Based on Ball B-Spline Curves and Hooke's Law//2015 *International Conference on Cyber worlds (CW)*. IEEE, 2015: 86-89.
13. Zhang L-Z, Jiang G-M, Miao X-H, Cong H-L. Three-dimensional Computer Simulation of Warp Knitted Spacer Fabric. *FIBRES & TEXTILES in Eastern Europe* 2012; 20, 3(92): 56-60.

14. Benetskaya VV, Seliverstov VYu, Kiselev AM, Rudovskiy PN, Kiselev MV. Modelling of Fabrics Structure. *Izvestiya Vysshikh Uchebnykh Zavedenii, Seriya Tekhnologiya Tekstil'noi Promyshlennosti* 2013; 3: 23-28.
15. Peirce FT. The Geometry of Cloth Structure. *Journal of the Textile Institute* 1937; 28, 3: 45-96.
16. Abteu MA, Loghin C, Cristian I, Boussu F, Bruniaux P, Chen Y, Wang L. Mouldability and its Recovery Properties of 2D Plain Woven P-aramid Fabric for Soft Body Armour Applications. *FIBRES & TEXTILES in Eastern Europe* 2019; 27, 6(138): 54-62. DOI: 10.5604/01.3001.0013.4468.
17. Penava Ž, Penava DŠ, Knezić Ž. Determination of the Impact of Weft Density on Fabric Dynamic Thickness under Tensile Forces. *FIBRES & TEXTILES in Eastern Europe* 2019; 27, 6(138): 46-53. DOI: 10.5604/01.3001.0013.4467.
18. Grechukhin AP, Seliverstov VYu. Mathematical Model of Plain Weave Fabric at Various Stages of Formation. *FIBRES & TEXTILES in Eastern Europe* 2014; 22, 5(107): 43-48.
19. Grechukhin AP, Seliverstov VYu, Rudovskiy PN. The Method of Determination of Yarn Bending Rigidity and Friction Factor During Interaction of Fibers. *The Journal of The Textile Institute* 2017; 2067-2072 | Received 15 Jul 2015, Accepted 24 Mar 2017, Published online: 11 Apr 2017, DOI 10.1080/00405000.2017.1312676.