

References

1. Woodings CR. The development of advanced cellulosic fibres. *International Journal of biological macromolecules* 1995; 17(6): 305-309.
2. Li S Y, Xu B G, Tao X M. Numerical Analysis on Mechanical Behavior of a Ring-Spinning Triangle Using the Finite Element Method. *Textile Research Journal* 2011; 81(9): 959-971.
3. Xie C P, Wang J K, Xu B J. *Spinning engineering*. China Textile Press, Beijing, 2012.
4. Liu X J, Su X Z. Theoretical Study of Fiber Tension Distribution at Solospun Spinning Triangles. *Fibers and Polymers* 2014; 15(3): 599-604.
5. Hua T, Tao X M, Cheng K P S, Xu B G. Effects of Geometry of Ring Spinning Triangle on Yarn Torque Part I: Analysis of Fiber Tension Distribution. *Textile Research Journal* 2007; 77(11): 853-863.
6. Feng J, Xu B G, Tao X M, Hua T. Theoretical Study of Spinning Triangle with Its Application in a Modified Ring Spinning System. *Textile Research Journal* 2010; 80(14): 1456-1464.
7. Cheng K P S, Yu C. A study of compact spun yarns. *Textile Research Journal* 2003; 73(4): 345-349.
8. Guldemet B, William O. Comparison of properties and structures of compact and conventional spun yarns. *Textile Research Journal* 2006; 76(7): 567-575.
9. Beceren Y, Nergis B U. Comparison of the effects of cotton yarns produced by new, modified and conventional spinning systems on yarn and knitted fabric performance. *Textile Research Journal* 2008; 78(4): 297-303.
10. Dou H P, Liu S R. Trajectories of fibers and analysis of yarn quality for compact spinning with pneumatic groove. *Journal of the Textile Institute* 2011; 102(8): 713-718.
11. Liu X J, Liu W L, Zhang H, Su X Z. Research on pneumatic compact spun yarn quality. *Journal of the Textile Institute* 2015; 106(4): 431-442.
12. Xie C P, Gao W D, Liu X J, Su X Z, Zhu Y K. A new kind of Complete condensing Spinning system with strip groove structure. *Journal of Textile Research* 2013; 34(6): 149-153.
13. Zou Z Y, Zhu Y D, Hua Z H, Wang Y, Chen L D. Studies of Flexible Fiber Trajectory and Its Pneumatic Condensing Mechanism in Compact Spinning with Lattice Apron. *Textile Research Journal* 2010; 80(8): 712-719.
14. Liu X J, Su X Z, Wu T T. Effects of the horizontal offset of ring spinning triangle on yarn. *Fibres & Textiles in Eastern Europe* 2013; 21, 1(97): 35-40.
15. Liu X J, Xie C P, Su X Z, Mei H. Numerical Studies on a Three-dimensional Flow Field in Four-Roller Compact Spinning with a Guiding Device. *Fibres & Textile in Eastern Europe* 2013; 21, 6(102): 50-57.
16. Xu B J, Ma J. Radial Distribution of Fibres in Compact-Spun Flax-Cotton Blended Yarns. *Fibres & Textiles in Eastern Europe* 2010; 18, 1(78): 24-27.