

the area of quasi-static strength, the area of low-cycle strength and also the area of high-cycle strength. In contrast to fancy flame yarns, the Wöhler's curve for smooth yarns included only the areas of quasi-static durability and those of low-cycle strength. It can be stated that assuming static strength as the criterion of usefulness is not completely legitimate.



References

1. Asayesh A, Ali Jeddi AA, Ghadimi P. Modeling the Fatigue Behavior of Plain Woven Fabrics Constructed from Textured Polyester Yarn, *Textile Res. J.*, 2009; 79(13): 1213-1222.
2. Drobina R. *Probabilistyczny model trwałości zmęczeniowej przędz bawełnianych gładkich i płomykowych*, Scientific Ed. of Technical University of Bielsko-Biała 2012, Scientific Disartations No. 40.
3. Drobina R, Włochowicz A, Machnio M, Drobina E, Lewandowski S. Fatigue curves elaborated for selected worsted wool yarns, *Fibers & Text. in East. Eur.*, 2007; 15, 5-6(64-65): 54-58.
4. Greń J. *Statystyka matematyczna - modele i zadania*, ed. PWN, Warsaw 1982.
5. Jakubowicz A, Ortoś Z. Wytrzymałość materiałów, Wyd. VI, ed. WNT Warsaw 1984, s. 580-613.
6. Kocańda S, Szala J. *Podstawy obliczeń zmęczeniowych*, ed. PWN - Warsaw, 1997.
7. Kowalski K, Włodarczyk B, Kowalski TM. Probabilistic Model of Dynamic Forces in Thread in the Knitting Zone of Weft Knitting Machines, Allowing for the Heterogeneity of Visco-Elasticity Yarn Properties, *Fibres & Text. in East. Eur.*, 2010; 18, 4(81): 61-67.
8. Kryński HE. *Matematyka dla ekonomistów*, ed. PWN, Warsaw, 1975.
9. Nosraty H, Ali Jeddi AA, Jamshidi Avanaki M. Fatigue Behavior of Filament Warp Yarns under Cyclic Loads during Weaving Process, *Textile Res. J.*, 2009; 79(2): 154-165.
10. Owczarz R. Analysis of abrasive resistance of woven fabrics produced from classical and fancy threads (In Polish), *Przegląd Włókienniczy* 1991; 45(6): 160-163.
11. Owczarz R. Programming tensile strength of woven fabrics produced from fancy braid yarns (In Polish), *Przegląd Włókienniczy* 1991; 45(10): 247-251.
12. PN-EN ISO 2062:1997 „The textiles. The thread in packages”.
13. Stanisław A. Przystępny kurs statystyki na przykładach z medycyny z wykorzystaniem programu STATISTICA”, v. II, ed. II, Statsoft, Krakow, 2006.
14. Tumajer P, Ursíny P, Bílek M, Moučková E. Research Methods for the Dynamic Properties of Textiles, *Fibers & Text. in East. Eur.*, 2011; 19, 5(88): 33-39.

Received 02.10.2012 Reviewed 16.11.2012

InnovaTex 2013

Fair of Technical Textile Products and Conference on Technical and Specialised Textile Products

17 – 18 October 2013, Łódź, Poland

Organisers:

- Lodz University of Technology
- Lodz International Fair Ltd.

Programming Board of the Fair and Scientific Committee of the Conference:

Prof. Józef Masajtis, Ph.D. Dsc. Eng. Lodz University of Technology, *Prof. Izabella Krucińska, Ph.D. Dsc. Eng.* Lodz University of Technology), *Prof. Marek Snycerski, Ph.D. Dsc. Eng.* Lodz University of Technology, *Zbigniew Mikołajczyk, Ph.D D.Sc. Eng.* Lodz University of Technology, *Renata Kotynia, Ph.D D.Sc. Eng.* Lodz University of Technology, *Danuta Ciechańska, Ph.D. Eng.* Institute of Biopolymers and Chemical Fibres, *Jadwiga Sójka-Ledakowicz, Ph.D. Eng. prof.* Textile Research Institute, *Małgorzata Zimniewska, Ph.D. Eng. prof.* Institute of Natural Fibres & Medicinal Plants, *Elżbieta Witczak, Ph.D. Eng.* Institute of Security Technologies MORATEX, *Joanna Grzybowska-Pietras, Ph.D. Eng.* Association of Geotextile Producers, *Zdzisław Czaplicki, Ph.D. Eng.* Polish Textile Association, *Jarosław Janicki, Ph.D. Dsc. Eng. prof.* University of Bielsko-Biała, *prof. Bogdan Piasecki, Ph.D. Dsc. Eng.* The Entrepreneurship and Economic Development Research Institute, *Kazimierz Kubiak* Polish Textile Association, *Witold Sujka, Ph.D. Eng.* Tricomed S.A., *Jarosław Litwiński* Stradom S.A., *Jarosław Aleksander* Plastica Ltd., *Miroslaw Barburski* International Łódź Fair.

The InnovaTex Conference is organised in 2013 under the motto 'Fill your world with Textiles'. It will be a platform of experience exchange for representatives of science and producers & users, as well as, nucleus of creating new research ideas for interdisciplinary areas of science.

The following sessions are provided

- Session I – **MEDTEX** – protection of humans' daily life, improving life comfort: medical and sanitary textiles, textiles devoted to rehabilitation and recreation
- Session II – **PROETEX** – protection of life and health in working environment: textile products for individual protection, textiles for protection the working environment
- Session III – **BUDTEX** – a healthy house: textiles for building engineering, hometextiles, furnishing
- Session IV – **GEOTTEX** – safe transport: textile upholstery for means of transport, geotextiles, textiles for road protection
- Session V – **AGROTEX** – healthy food, water and air: textiles for plants and animals protection, textiles for protection of natural environment.

Information about the Fair see also page 55.

For more information please contact:

Katarzyna Piekłak
Phone +48 42 631 33 38,+48 507 243 752
e-mail: katarzyna.piekłak@op.pl www.ttww.pl