

New Opportunities for the Development of Education at the Technical University of Liberec

Specific objective A2: Development in the field of distance learning,
online learning and blended learning

NPO_TUL_MSMT-16598/2022



Textile Composites

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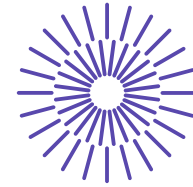
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Lectures outline

1. Basic terms and definitions
2. Types of textile composite and their properties
3. Quantitative structural analysis
4. Design of composite structures
5. Reinforcing fibers
6. Matrices for textile composites
7. Composite layer analysis
Fatigue failure of composite laminates
8. Industrial and advanced composites
Strength calculation



Sources of all texts, graphs, tables and figures that were used, processed or inspired these lectures are mentioned further (see References)



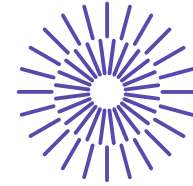
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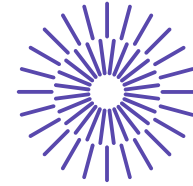
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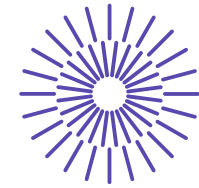
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