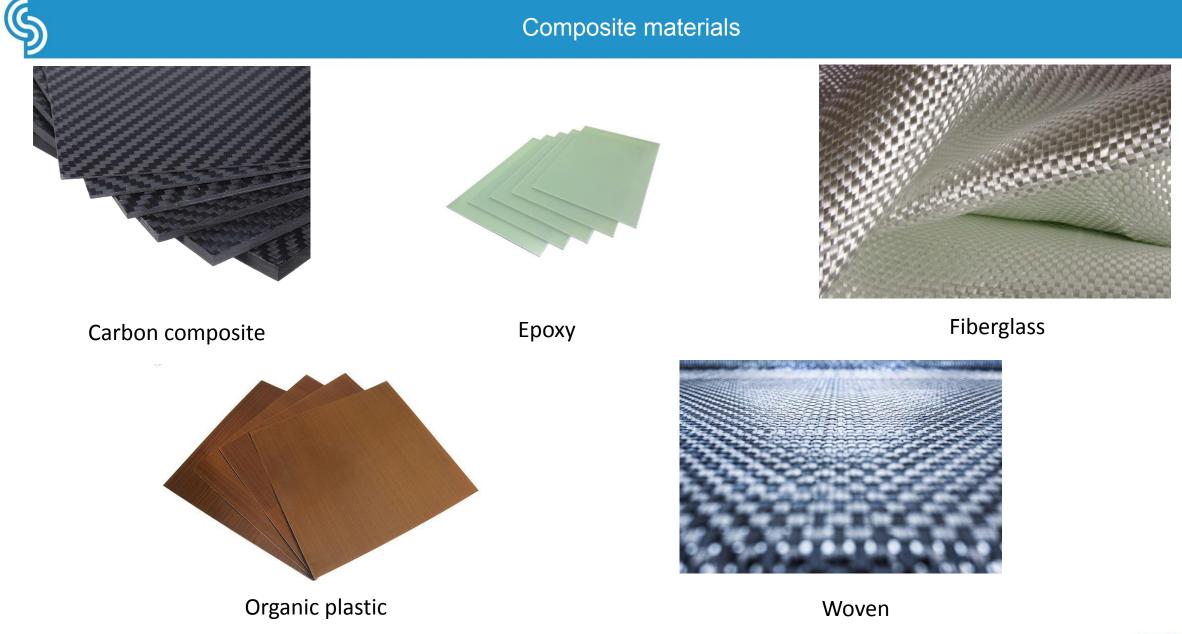


Fatigue crack growth in composite constructions

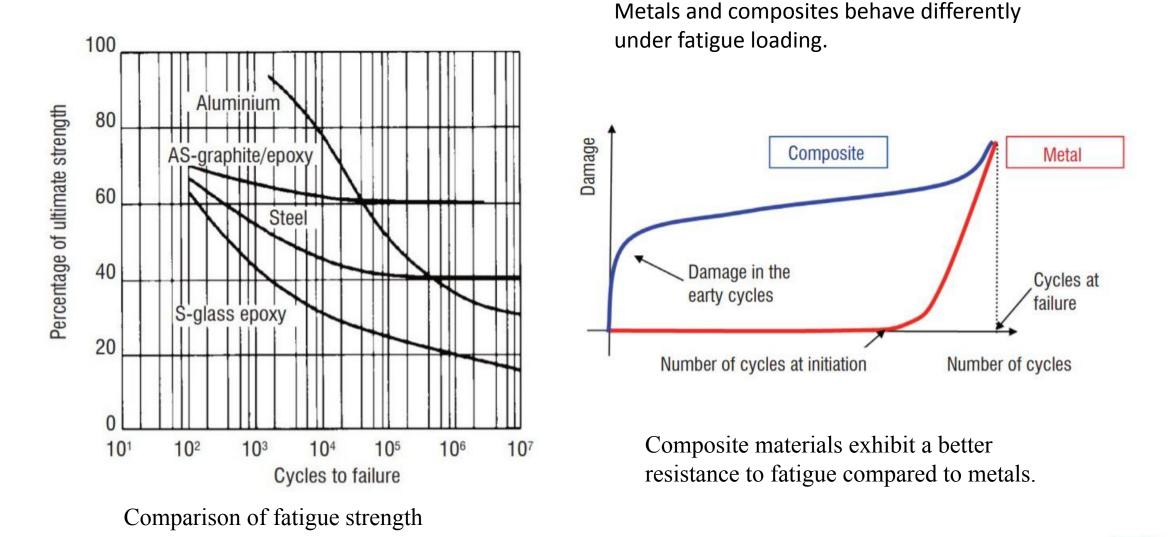
Surgutanova Julia Surgutanov Nikolai Neverov Ivan

Samara 2020







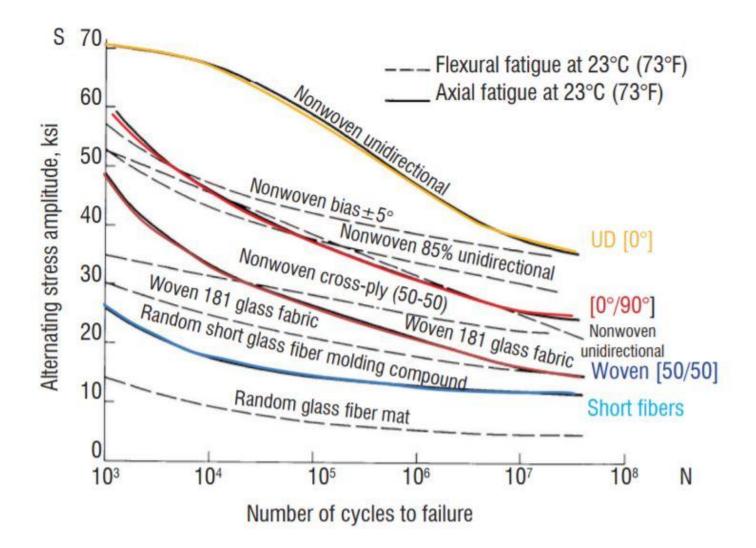


ул. Московское шоссе, д.34, г.Самара, 443086, тел.: +7 (846) 335-18-26, факс: +7 (846) 335-18-36, сайт: www.ssau.ru, e-mail: ssau@ssau.ru

3



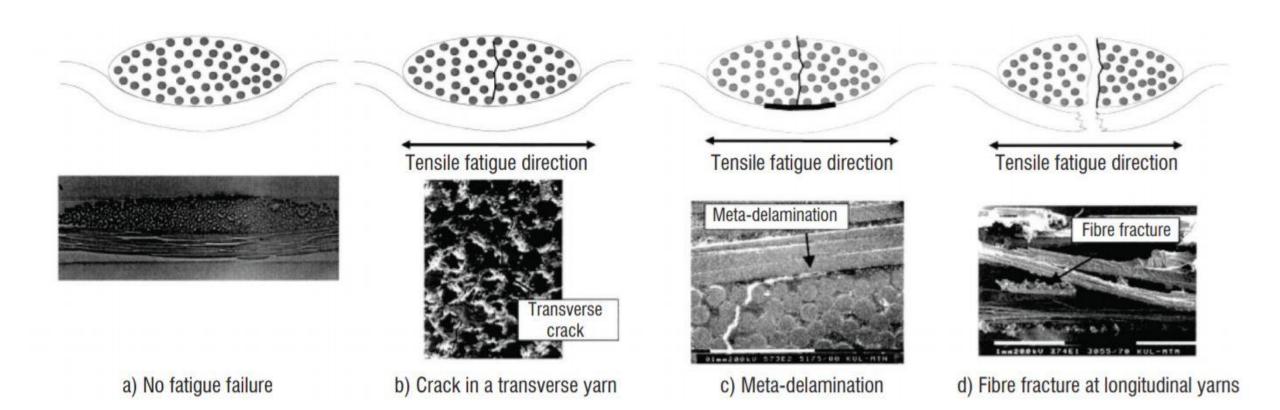
Due to the variety of configurations (types of fiber, resin and lay up) composites are not totally sheltered from fatigue damage.







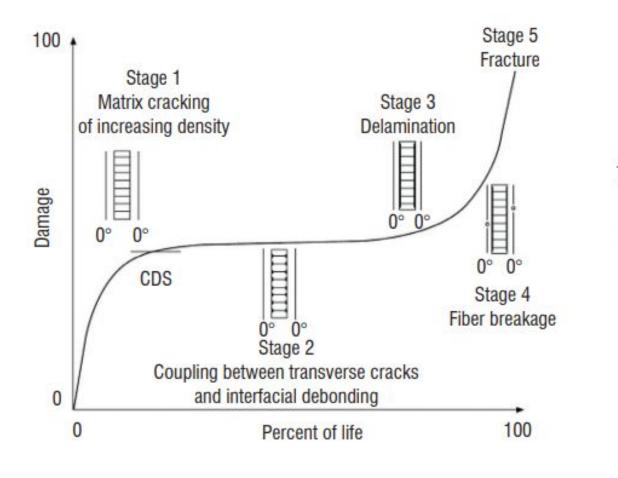
Tensile fatigue damage



Scheme of tensile fatigue damage development in woven fabric composites, subjected to a tension-tension fatigue loading in the weft direction

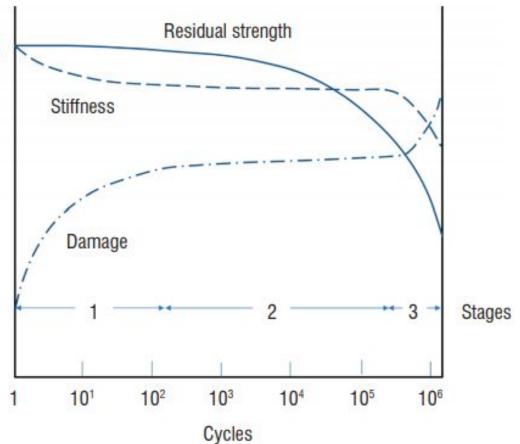






Fatigue crack growth in cross-ply laminates

The three characteristic stages of fatigue damage in composites



ул. Московское шоссе, д.34, г.Самара, 443086, тел.: +7 (846) 335-18-26, факс: +7 (846) 335-18-36, сайт: www.ssau.ru, e-mail: ssau@ssau.ru





Thank you for the attention!