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By introducing a fictitious undamaged configuration, mechanically equivalent to the real damaged configuration, the classical creep damage theory is extended to the general three-dimensional states of material damage; it is shown that the damage state can be described in terms of a symmetric second rank tensor.

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MODELING OF DAMAGE PROPAGATION IN COHESIVE-FRICTIONAL

Damage modelling of epoxy material under uniaxial tension based on micromechanics and experimental analysis Fig. 1 Growth of void or damage in an RVE in state of stress or strain leads to change in spherical void in the RVE which, in turn, leads to degradation of the elastic behaviour of the material.

Damage modelling of epoxy material under uniaxial tension

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