
Kinetic of rise and accumulation local microdamages quasybrittle destruction of polymers and composites

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This article is devoted to accumulation of local damages in range of compelled ahead of under crack front of destruction in polymers. The mechanism of microcavity formation of crack and mechanism of support framework loose knots decomposing were described. The kinetic equation of support framework loose knots decomposing was deduced and knot decomposing period was calculated.

Keywords: *fluctuation, crack front, microheterogeneity, knot decomposing period, Rayleigh distribution.*

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