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Simulation of anisotropic load transfer and stress distribution in SiCp/Al composites subjected to tensile loading

J.F. Zhang , X.X. Zhang , Q.Z. Wang , B.L. Xiao , Z.Y. Ma

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HIGHLIGHTS

- The morphology of SiC causes anisotropic load transfer in composite.
- A load rebalancing phenomenon is observed at the middle of elastic stage.
- The load rebalancing phenomenon is caused by plastic deformation of metal matrix.

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