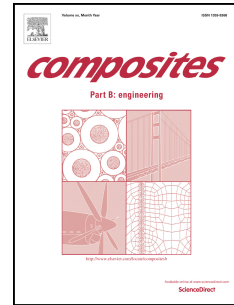


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**Stress Transfer Properties of Carbon Nanotube Reinforced Polymer Composites
at Low Temperature Environment**

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Abstract

Multi-scale modeling method was used to study tensile properties of single-walled carbon nanotube (SWCNT) and double-walled carbon nanotube (DWCNT) reinforced polymer-based composites at room temperature (RT) and cryogenic temperature (like liquid nitrogen temperature 77K) conditions. At RT, Young's Modulus of a SWCNT

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