

MICHIGAN SIALL UNIVERSITY

- Contact engineering is very significant in innovative electronic circuits that utilize graphene, carbon nanotubes (CNTs), and other emergent materials. the connections between the tubes.
- By coupling the transmission line model and tunneling current, a selfdistribution along the contact length and the overall contact resistance for various electrical contact dimensions (contact length and thickness of interface layer).





Statistical analysis can be performed by changing the contact length and results.



MICHIGAN STATE Statistic Analysis of Nanoscale Tunneling Electrical Contacts Based on Transmission Line Model