

Swapnil Ashok Patil

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Bio-sketch

I am pursuing my Ph.D. in the mechanical and aerospace engineering department at IIT Hyderabad under the guidance of Dr. Syed Khaderi and Prof. Ramji Manoharan.

Educational Details

Ph.D (Mechanics and Design)
Indian Institute of Technology, Hyderabad
Pursuing

M. Tech (Design Engineering)
Vishwakarma Institute of Technology
Graduated Sep 2020

B.E (Mechanical Engineering)
Savitribai Phule Pune University
Graduated June 2016

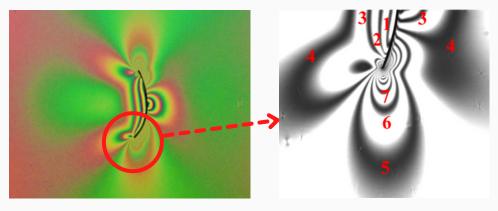
RIGID CURVED INCLUSION

My current research focuses on fundamental fracture studies related to inclusions and multi-material singularities.

Fabrication of Specimen



Dark Field Isochromatic



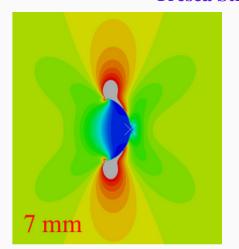
White Light

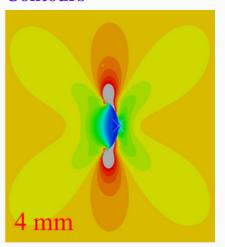
Monochromatics Light



NUMERICAL STUDIES

Tresca Stress Contours





Fringe contours plotted from FEA

