



Professor Sudip Dey

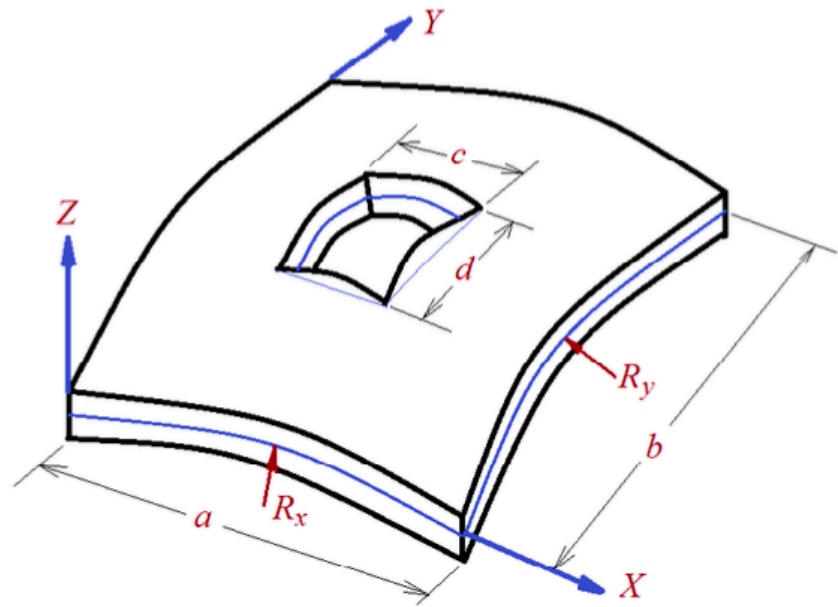


Fig. 1 Laminated composite curved panel with cutout

From: S. Dey, T. Mukhopadhyay, S.K. Sahu and S. Adhikari, "Effect of cutout on stochastic natural frequency of composite curved panels", Composites Part B: Engineering, Vol. 105, pp 188-202, November 2016

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<https://scholar.google.com/citations?user=A0G5PBwAAAAJ&hl=en>

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Biography:

Dr. Sudip Dey is working as Assistant Professor in Mechanical Engineering Department of National Institute of Technology Silchar, India. Previously, He was a Post-doctoral Researcher at Leibniz-Institut für Polymerforschung Dresden e. V., Germany, worked with Prof. Gert Heinrich (TU Dresden, Germany). Prior to that he was a Post-doctoral Researcher at College of Engineering, Swansea University, United Kingdom, worked with Prof. Sondipon Adhikari. He obtained Bachelor in Mechanical Engineering Degree from Jadavpur University, India. He received Ph.D. (Engg.) degree from Jadavpur University, India. His field of specialization is Applied Mechanics and Design.

Dr. Sudip Dey has authored and co-authored multiple peer-reviewed scientific papers and presented works at many national and International conferences. Dr. Sudip Dey contributions have acclaimed recognition from honourable subject experts around the world. Dr. Sudip Dey is actively associated with different societies and academies. Dr. Sudip Dey academic career is decorated with several reputed awards and funding. Dr. Sudip Dey research interests include Core research interests - Design and Applied Mechanics in the domain of computational and structural analysis in the fields of Composites and functionally graded or meta-materials. Other areas of research interests include Stochastic Analysis, Bio-inspired Materials, Failure Analysis, Nanocomposites, Multi-scale Analysis, Design Optimization and Reliability Analysis.

Research Interests:

Design and Applied Mechanics in the domain of computational and structural analysis in the fields of Composites and functionally graded or meta-materials. Other areas of research interests include Stochastic Analysis, Bio-inspired Materials, Failure Analysis, Nano-composites, Multi-scale Analysis, Design Optimization and Reliability Analysis arch Interests:

Selected Publications:

- Sudip Dey and Amit Karmakar (Mechanical Engineering Department, Jadavpur University, Kolkata 700032, India), “Natural frequencies of delaminated composite rotating conical shells – A finite element approach”, *Finite Elements in Analysis and Design*, Vol. 56, pp 41-51, September 2012
- Sudip Dey and Amit Karmakar (Mechanical Engineering Department, Jadavpur University, Kolkata, India), “Effect of location of delamination on free vibration of cross-ply conical shells”, *Shock and Vibration*, Vol. 19, pp 679-692, 2012
- Sudip Dey and Amit Karmakar (Mechanical Engineering Department, Jadavpur University, Kolkata 700 032, India), “Free vibration analyses of multiple delaminated angle-ply composite conical shells – A finite element approach”, *Composite Structures*, Vol. 94, No. 7, pp 2188-2196, June 2012
- Sudip Dey and Amit Karmakar, “Free vibration characteristics of multiple delaminated cross-ply composite conical shells”, *International Journal for Computational Methods in Engineering Science and Mechanics*, Vol. 14, No. 2, pp 168-174, 2013
- S. Dey, A. Karmakar, Effect of oblique angle on low velocity impact response of delaminated composite conical shells, *Proc. Inst. Mech. Eng. C J. Mech.*, 228 (15) (2014), pp. 2663-2677
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- S. Dey, T. Mukhopadhyay, S.K. Sahu and S. Adhikari, “Effect of cutout on stochastic natural frequency of composite curved panels”, *Composites Part B: Engineering*, Vol. 105, pp 188-202, November 2016
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- Dey, S., Mukhopadhyay, T. and Adhikari, S. (2017), “Metamodel based high-fidelity stochastic analysis of composite laminates: A concise review with critical comparative assessment”, *Compos. Struct.*, 171, 227-250.
- H. Singh, B. C. Hazarika, and S. Dey, “Low velocity impact responses of functionally graded plates,” *Procedia Eng.*, vol. 173, pp. 264–270, 2017. (or maybe in *Plasticity and Impact Mechanics* 173, 264–270.)
- T. Mukhopadhyay, S. Chakraborty, S. Dey, S. Adhikari and R. Chowdhury, “A critical assessment of Kriging model variants for high-fidelity uncertainty quantification in dynamics of composite shells”, *Archives of Computational Methods in Engineering*, Vol. 24, No. 3, pp 495-518, July 2017
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