

Figure 2 Physics-based tire model using the laminated composite shell element

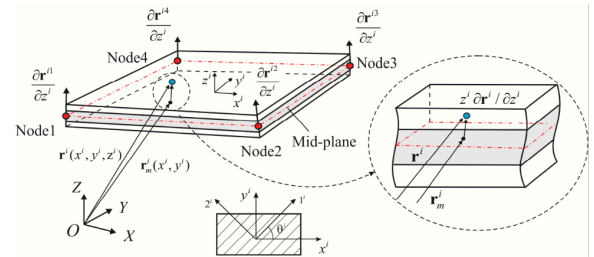


Figure 1. Kinematics of shear deformable ANCF laminated shell element

Middle image above is from: Hiroki Yamashita, Paramsothy Jayakumar, Mustafa Alsaleh, and Hiroyuki Sugiyama, "Physics-based deformable tire-soil interaction model for off-road mobility simulation and experimental validation", *Journal of Computational and Nonlinear Dynamics*, Vol. 13, September 2017

Right-most image above is from: Hiroki Yamashita, Paramsothy Jayakumar and Hiroyuki Sugiyama, "Development of shear deformable laminated shell element and its application to ANCF tire model", *ASME 11th International Conference on Multibody Systems, Nonlinear Dynamics and Control (MSNDC), MSNDC-10 Vehicle Dynamics, US Army RDECOM-TARDEC, April 2015*

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See:

<https://scholar.google.com/citations?user=Q1kKXesAAAAJ&hl=en>

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