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The cross section of the vertical member is shown in Figures 1 (f) and 2 (a). Finite Element ModelThe rails are connected to sleepers via surface to surface contact algorithm are available in ABAQUS. Interaction properties were assigned between rails, sleepers, girders and the truss for the entire analysis.

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'A finite element study of the onset of vortex shedding in a flow past two-dimensional circular cylinder', Progress in Computational Fluid Dynamics, Vol. 8, No. 5, pp.288–298. Biographical notes: N. Senthil Kumar is a post graduate student in Mechanical Engineering at the Indian Institute of Technology Kanpur.

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Senthil, S.M & Parasath, S (2014), "3-Dimensional Nonlinear Finite Element Analysis of both Thermal and Mechanical Response of Friction Stir Welded 6061-T6 Aluminum Plates", Proceedings of 2nd International conference on Futuristic trends in Aeronautical Engineering (ICFTAE 2014), Thiruvalluvar College of Engineering and Technology, Vandavasi.

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