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Beam is 10^5 . There is a load of 100 acting in the $-y$ direction at the right end of the beam. The maximum deflection of the beam is -0.6791 at $L=100$. While for the analytical solution, so the maximum deflection is -0.67906 , which agrees with 8th, 2022 Parametric Design and Isogeometric Analysis of Tunnel ...1 Parametric Design and Isogeometric Analysis of Tunnel Linings Within the Building Information Modelling Framework Jelena Ninic^{1*}, Hoang Giang Bui², and Günther Meschke² ¹Center for Structural Engineering and Informatics, University of Nottingham, United Kingdom ² Institute for Structural Mechanics, Ruhr University Bochum, Germany *Jelena.Ninic@nottingham.ac.uk (Lead Author Email Address) 22th, 2022.

Isogeometric Vibration Analysis of Small-scale Timoshenko ...Elasticity Theory; Timoshenko Nanobeam. Abstract. By taking the nonlocal and strain gradient effects into account, the vibrational behavior of Timoshenko micro- and nano-beams is studied in this paper based on a novel size-dependent model. The nonlocal effects are captured using both direct 27th, 2022 Isogeometric Analysis of Thin Reissner-Mindlin Plates and ...64 The outline of this paper is as follows: Section 2 gives an overview of Reissner-Mindlin theory 65 for plates and shells. In Section 3, we present the novel approach, the generalized local B method 66 to alleviate the locking (both shear and membrane) problems encountered in thin structures whilst 12th, 2022 The

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Element Analysis Design And Analysis Of Piston By
Using Finite Element Analysis Sandeep K. Kourav¹,
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